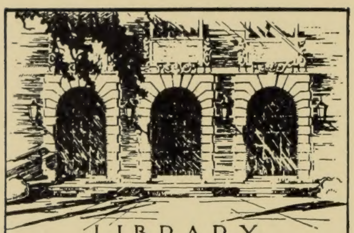

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BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

1909

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BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College,
May, 1909.

Volume II. Part 3.

BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

1909

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AUG 16 1916

BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College.
Vol. II. Part 3. May, 1909.

Entered as second-class matter, March 23rd, 1908, at the post-office, Bryn Mawr, Pennsylvania, under Act of July 16th, 1894.

Printed by the John C. Winston Co.,
Philadelphia, Penna.

Bryn Mawr College Calendar.

1909.

Part 1. Register of Alumnæ and Former Students.

Part 2. Graduate Courses.

Part 3. Undergraduate and Graduate Courses.

Part 4. Academic Buildings and Halls of Residence, Plans and Descriptions.

C
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909/10-1912/13

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

ADDENDA.

Additional Courses offered in the year 1909–10.

POST-MAJOR COURSE.

Greek, Theocritus, Dr. Wright. *One hour a week during the second semester.*

Students taking this course should provide themselves with Wilamowitz, *Bucolici Græci* in the *Bibliotheca Oxoniensis* (Clarendon Press, 1906).

FREE ELECTIVE COURSES.

Roman Law, Mr. Forrester. *One hour a week throughout the year.*

The lectures treat of the function of custom and primitive religious beliefs as formative elements of early Roman Law; the organs of direct legislation during the republic and the empire; the quasi-legislation of the praetor; the influence of the *jus gentium* and the *jus naturale;* the leading principles of the law as affecting family status, property rights, and redress; the modification of the law by Greek philosophy and Christianity; the final codification of the law by Justinian and its subsequent diffusion over Europe.

Theoretical Biology, Dr. Tennent. *One hour a week throughout the year.*

This course deals chiefly with the subjects of evolution and heredity, and is open to students who have taken a minor course in Biology, Chemistry, Geology, or Physics in Bryn Mawr College, or have done equivalent work. A considerable amount of assigned reading will be required.

1909.														1910.						
JANUARY.							JULY.							JANUARY.						
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JUNE.							DECEMBER.							JUNE.						
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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 2nd, 1910.

C
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909/10-1912/13

BRYN MAWR COLLEGE.

College Calendar.

1909.

JANUARY.

Su.	M.	Tu.	W.	Th.	Fr.	Sa.
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MAY.

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JUNE.

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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 2nd, 1910.

Academic Year, 1909–10.

September 21st.	Matriculation examinations begin.
September 27th.	Registration of students. Halls of Residence open for students at three p. m.
September 28th.	Registration of students.
	Matriculation examinations end.
September 29th.	The work of the twenty-fifth academic year begins a a quarter to nine o'clock.
September 30th.	Examinations for advanced standing begin.
October 21st.	Examinations for advanced standing end.
October 23rd.	Senior oral examination in French.
October 30th.	Senior oral examination in German.
November 15th.	Private reading examinations begin.
	Collegiate and matriculation condition examinations begin.
November 20th.	Private reading examinations end.
November 23rd.	Collegiate and matriculation condition examinations end.
November 24th.	Thanksgiving vacation begins at one o'clock.
November 29th.	Thanksgiving vacation ends at nine o'clock.
December 4th.	Senior oral examinations in French and German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 10th.	Private reading examinations begin.
January 15th.	Private reading examinations end.
January 19th.	Half-yearly collegiate examinations begin.
January 25th.	Matriculation examinations begin.
January 29th.	Collegiate examinations end.
	Annual meeting of the Alumnæ Association.
January 31st.	Vacation.
February 1st.	Vacation.
	Matriculation examinations end.
February 2nd.	The work of the second semester begins at a quarter to nine o'clock.
February 3rd.	Examinations for advanced standing begin.
February 24th.	Examinations for advanced standing end.
March 12th.	Senior oral examinations in French and German.
March 14th.	Collegiate and matriculation condition examinations begin.
	Private reading examinations begin.
March 16th.	Mid-semester examinations in Elementary Greek, German, and French.
March 18th.	Announcement of European Fellowship awards.
March 19th.	Private reading examinations end.
March 22nd.	Collegiate and matriculation condition examinations end.
March 23rd.	Easter vacation begins at one o'clock.
March 31st.	Easter vacation ends at nine o'clock.

April 30th.	Senior oral examinations in French and German.
May 6th.	May Day Celebration.
May 16th.	Private reading examinations begin.
May 17th.	Vacation.
May 18th.	Collegiate examinations begin.
May 21st.	Private reading examinations end.
May 26th.	Matriculation examinations begin.
May 28th.	Collegiate examinations end.
June 1st.	Matriculation examinations end.
June 2nd.	Conferring of degrees and close of twenty-fifth academic year.

ACADEMIC YEAR 1910–11.

September 27th.	Matriculation examinations begin.
October 3rd.	Registration of students. Halls of Residence open for students at three p. m.
October 4th.	Registration of students. Matriculation examinations end.
October 5th.	The work of the twenty-sixth academic year begins at a quarter to nine o'clock.

EXAMINATIONS FOR MATRICULATION.

Examinations for matriculation are held during the week preceding the opening of each academic year, during the last week but one of each academic year, and during the last week of the first semester of each year.

Spring, 1909.

Thursday, May 27.

Minor Latin, A,	9½—12½
Trigonometry,	9½—11½
Minor Latin, B,	2½—5½
Solid Geometry,	2½—4½

Friday, May 28.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Saturday, May 29.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Monday, May 31.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Tuesday, June 1.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Wednesday, June 2.

German,	9½—12½
Latin Prose Authors,	2½—4½

Autumn, 1909.

Tuesday, September 21.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, September 22.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, September 23.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, September 24.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, September 25.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, September 27.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, September 28.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Winter, 1910.

Tuesday, January 25.

English Composition,	9½—12½
English Grammar,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, January 26.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, January 27.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, January 28.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, January 29.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, January 31.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, February 1.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Spring, 1910.

Thursday, May 26.

Minor Latin, A,	9½—12½
Trigonometry,	9½—11½
Minor Latin, B,	2½—5½
Solid Geometry,	2½—4½

Friday, May 27.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Saturday, May 28.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Monday, May 30.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Tuesday, May 31.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Wednesday, June 1

German,	9½—12½
Latin Prose Authors,	2½—4½

Autumn, 1910.

Tuesday, September 27.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, September 28.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, September 29.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, September 30.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, October 1.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, October 3.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, October 4.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Winter, 1911.

Tuesday, January 31.

English Composition,	9½—12½
English Grammar,	2½—4½
Greek Poets	4¾—5¾

Wednesday, February 1.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, February 2.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, February 3.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, February 4.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, February 6.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, February 7.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

CORPORATION.

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Treasurer.

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Secretary.

ALBERT K. SMILEY.
EDWARD BETTLE, JR.
HOWARD COMFORT.
JUSTUS C. STRAWBRIDGE.
JAMES WOOD.
RUFUS M. JONES.
ALEXANDER C. WOOD.
M. CAREY THOMAS.
FRANCIS R. COPE, JR.
ASA S. WING.
CHARLES J. RHOADS.
THOMAS RAEBURN WHITE.
FREDERICK H. STRAWBRIDGE.

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Treasurer.

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Secretary.

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EDWARD BETTLE, JR.
HOWARD COMFORT.
JUSTUS C. STRAWBRIDGE.
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RUFUS M. JONES.
ALEXANDER C. WOOD.
M. CAREY THOMAS.
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MARY E. GARRETT.
ANNIE CROSBY EMERY ALLINSON.
ELIZABETH BUTLER KIRKBRIDE.
ASA S. WING.
CHARLES J. RHOADS.
THOMAS RAEBURN WHITE.
FREDERICK H. STRAWBRIDGE.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1908–09.

President,
M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.

Assistant to the President,
ISABEL MADDISON, B.SC., PH.D.
Office: Taylor Hall.

Dean of the College,
MARION REILLY, A.B.
Office: The Library.

Wardens and Assistant Advisers to the Freshman Class,
MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.
ALICE ANTHONY, A.B., Denbigh Hall.
VIRGINIA TRYON STODDARD, A.B., Radnor Hall.
HARRIET JEAN CRAWFORD, A.B., Rockefeller Hall.
BERTHA MARGARET LAWS, A.B., Pembroke Hall.
FRIEDRIKA MARGRETHA HEYL, A.B., Merion Hall.

Secretary,
ANNA BELL LAWTHER, A.B. Office: Taylor Hall.

Recording and Appointment Secretary,
ETHEL WALKER, A.M. Office: Taylor Hall.

Librarian,
MARY LETITIA JONES, B.L., B.L.S. Office: The Library.

Director of Athletics and Gymnastics,
CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Comptroller,
JAMES G. FORRESTER. Office: Taylor Hall.

Business Manager,
JOSEPH A. SKELLEY. Office: Taylor Hall.

Junior Bursar,
ANNA DELANY FRY, A.B. Office: Rockefeller Hall.

Visiting Physician of the College,
ELLA B. EVERITT, M.D. Office hours, daily, 10 to 12, 1807 Spruce Street, Philadelphia; Merion Hall, Bryn Mawr College, Mondays and Thursdays, 4 to 6.

Assistant Visiting Physician of the College,
ANNE HEATH THOMAS, M.D. Office hours, daily, 1.30 to 3, 132 South 18th Street, Philadelphia; Merion Hall, Bryn Mawr College, Tuesdays, Wednesdays, Fridays and Saturdays, 4 to 6.

Attending Physician of the College,
THOMAS F. BRANSON, M.D. Office hours, daily, 8 to 9.30 and 2 to 3, Rosemont, Penna.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1908–09.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885–94.

CHARLOTTE ANGAS SCOTT, D.SC., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880–84; lectured in connection with Newnham College, University of Cambridge, England, 1880–83; D. Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885–86; Harvard University, 1888–91; Thayer Scholar, Harvard University, 1889–91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902–03.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871–72; University of Leipsic, 1872–73; University of Bonn, 1873–79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881–91; Lecturer in Medical Department of the University of the City of New York, 1885–86; Lecturer in Physiology, University of Michigan, 1889.

ELMER P. KOHLER, PH.D., *Professor of Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889–91; Fellow in Chemistry, Johns Hopkins University, 1891–92; Ph.D., Johns Hopkins University, 1892.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891–93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893–95.

ISABEL MADDISON, B.SC., PH.D., *Assistant to the President and Associate in Mathematics.*

Reading, England. B.Sc., University of London, 1893, Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892–93, and Fellow in Mathematics, 1893–94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894–95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888–92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892–93; Fellow in Latin, University of Chicago, 1893–94, and Fellow in Greek, 1894–95; Reader in Greek and Latin, University of Chicago, 1895–96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education and Director of the Psychological Laboratory.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892–93; Fellow in Psychology, Clark University, 1893–95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885–91; Fellow in Romance Languages, Johns Hopkins University, 1893–94; Assistant in Romance Languages, Johns Hopkins University, 1893–95; Instructor in Romance Languages, Johns Hopkins University, 1895–96; Associate in Romance Languages, Johns Hopkins University, 1896–97.

ALBERT SCHINZ, PH.D., *Associate Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892–93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896–97; Instructor in French, Clark University, 1897–98; Instructor in French, University of Minnesota, 1898–99.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893–96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894–1900.

LUCIEN FOULET, *Professor of French Literature.*

Saint Laurent d'Oingt, Rhône, France. Licencié ès Lettres, University of Paris, 1896; Ecole normale supérieure and the Sorbonne, 1896–97; University of Cambridge, England, and University College, London, 1898; Licencié d'Anglais, University of Paris, 1898; Ecole normale supérieure and the Sorbonne, 1899.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897–98; Lecturer in Greek, McGill University, 1900–02.

WILLIAM BASHFORD HUFF, PH.D., *Associate Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899–1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900–01; Lecturer in History, Barnard College, 1901–02.

J. EDMUND WRIGHT, M.A., *Associate Professor of Mathematics.*

Liverpool, England. Graduate in Honours (Senior Wrangler) in the Cambridge Mathematical Tripos, 1900, and First Division, First Class, Mathematical Tripos, Part II, 1901; Smith's Prizeman, 1902; Fellow of Trinity College, University of Cambridge, England.

LUCY MARTIN DONNELLY,* A.B., *Associate Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893–94, Sorbonne and Collège de France, and University of Leipsic, 1894–95.

CLARENCE CARROLL CLARK, PH.D., *Associate Professor of English.*

A.B., Johns Hopkins University, 1896; Ph.D., Yale University, 1903; Scholar in Romance Languages, Johns Hopkins University, 1896–97; Instructor in Modern Languages, Toledo, Ohio, 1897–99; Scholar in English, Yale University, 1901–02; Student in Oxford, Cambridge, and Berlin, 1902–03.

KARL DETLEV JESSEN, PH.D., *Associate Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897–98; Ph.D., University of Berlin, 1901; University of Chicago, 1895–98; University of Kiel, 1899; University of Berlin, 1898–99, 1899-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901–03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Associate Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899–1901; Assistant and Associate in Latin, University of Chicago, 1901–04.

DAVID HILT TENNENT, PH.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902–04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

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* Granted leave of absence for the year 1908–09.

NETTIE MARIA STEVENS,* PH.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903. Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897, 1898, 1899, and 1900; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Holder of the President's European Fellowship,1901-02; Student, Zoological Station, Naples, and University of Würzburg, 1901-02, 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03, and Research Fellow in Biology, 1903-04; Carnegie Research Assistant, 1904-05; Alice Freeman Palmer Research Fellow, 1908-09.

CARLETON FAIRCHILD BROWN, PH.D., *Associate Professor of English Philology.*

A.B., Carleton College, 1888; A. M., Harvard University, 1901, and Ph.D. 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

CAROLINE LOUISE RANSOM,† PH.D., *Associate in the History of Art and Classical Archæology.*

A.B., Mt. Holyoke College, 1896; A.M., University of Chicago, 1900 and Ph.D., 1905; Fellow, University of Chicago, 1898-99, 1903-05; Student in Berlin, London, Paris, and Athens, 1900-03.

JAMES BARNES, PH.D., *Associate in Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph. D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

CHARLES CLARENCE WILLIAMSON, PH.D., *Associate in Economics and Politics.*

A.B., Western Reserve University, 1904; Ph.D., Columbia University, 1907. Assistant in Economics and Graduate Student, Western Reserve University, First Semester, 1904-05; Scholar in Political Economy, University of Wisconsin, 1904-05; Graduate Student, University of Wisconsin, 1905-06; University Fellow in Political Economy, Columbia University, 1906-07; Research Assistant of the Carnegie Institution, 1905-07.

GEORGE SHANNON FORBES, PH.D., *Associate in Chemistry.*

A.B., Harvard University, 1902, A.M., 1904, and Ph.D., 1905. Lecturer in Physical Chemistry, Harvard University, 1905-06; John Harvard Fellow, and Student in the Universities of Leipsic and Berlin, 1906-07.

HANS WEYHE, PH.D., *Associate in German.*

Dessau, Germany. Ph.D., University of Leipsic, 1903; University of Munich, 1897; University of Leipsic, 1897-99; University of Berlin, 1899-1901.

MARION PARRIS, A.B., *Associate in Economics and Politics.*

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1902-05. Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

WILLIAM HENRY ALLISON, PH.D., *Associate in History.*

A.B., Harvard University, 1893; B.D., Newton Theological Institution, 1902; Ph.D., University of Chicago, 1905; Fellow in Church History, University of Chicago, 1902-04; Professor of Church History, Pacific Theological Seminary, 1904-05; Professor of History and Political Science, Franklin College, 1905-08; Research Assistant of the Carnegie Institution, 1906-08.

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* Granted leave of absence for the year 1908-09.

† Granted leave of absence for the second semester, 1908-09.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901–02, 1903, 1903–06; Newnham College, University of Cambridge, Spring, 1907.

CLARENCE ERROL FERREE, A.M., M.S., *Lecturer in Psychology.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902. Fellow in Psychology, Cornell University, 1902–03; Assistant in Psychology, Cornell University, 1903–07.

CLARENCE D. ASHLEY, LL.M., LL. D., J.D., *Non-Resident Lecturer in Law.*

A.B., Yale University, 1873; University of Berlin, 1876-78; LL.B., Columbia University, 1880; J.D., New York University, 1903; Professor of Law, Metropolis Law School, 1891-95; Professor of Law, New York University, 1895-1903; Vice-Dean of the Faculty of Law in charge of the Evening Division of the Law Department of New York University, 1895-96; Dean of the Faculty of Law, New York University, 1896-1909.

SAMUEL ARTHUR KING, M.A., *Non-Resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

ORIE LATHAM HATCHER, PH.D., *Lecturer in Elizabethan Literature.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901–03, and Fellow in English, 1903–04.

LEILA CLEMENT SPAULDING, A.M., *Lecturer in the History of Art and Classical Archæology.*

A.B., Vassar College, 1899; A.M., Columbia University, 1901. Graduate Student, Vassar College, 1899–1900; Curtis Scholar, Columbia University, 1900–01, and Graduate Student, 1901–02, 1907–08; Agnes Hoppin Memorial Fellow and Student at the American School of Classical Studies in Athens, 1902–03; Instructor in Greek and Greek Archæology, Vassar College, 1903–07.

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A.B., Ohio Wesleyan University, 1898, and A.M., 1900. Ph.D., Columbia University, 1906. Instructor in English, Belhaven College, 1900–02; Graduate Student, Columbia University, 1902–05. Instructor in English Literature, Mount Holyoke College, 1905–08; Graduate Student, Yale University, 1907–08.

CHESTER ALBERT REEDS, M.S., *Lecturer in Geology.*

B.S., University of Oklahoma, 1905; M.S., Yale University, 1907; Graduate Scholar, Yale University, 1905–06; and Fellow, 1906–08. Field Assistant, U. S. Geological Survey, 1903–06; Instructor in Mineralogy and Petrology, University of Oklahoma, February to June, 1908.

ROSE CHAMBERLIN, M.A., *Reader in German.*

Great Yarmouth, England. M.A., Trinity College, Dublin, 1905; Graduate in Honours, Newnham College, University of Cambridge, England, 1886 (Mediæval and Modern Languages Tripos, First Class).

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A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889–90; University of Zürich, 1890–92; Ph.D., University of Zürich, 1892.

KATHARINE FULLERTON,* A.M., *Reader in English.*

A.B., Radcliffe College, 1900, and A.M., 1901.

REGINA KATHARINE CRANDALL, PH.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893–94, and Fellow in History, 1894–96; Assistant in History, Smith College, 1896–99; Instructor in History, Wellesley College, 1899–1900.

GEORGIANA GODDARD KING, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896–97, and Fellow in English, 1897–98. Collège de France, First Semester, 1898–99.

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* Granted leave of absence for the year 1908–09.

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A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

HELEN WARD, A.B., *Reader in English.*

A.B., Radcliffe College, 1900. Graduate Student in English, Radcliffe College, 1902–04.

MAUD DOWNING, A.B., *Reader in Semitic Languages.*

A.B., University of Toronto, 1902. Graduate Student, University of Toronto, 1902–03; Graduate Scholar, Bryn Mawr College, 1903–07; Honorary Fellow in Semitic Languages, Johns Hopkins University, 1908–09.

CLARA LEONORA NICOLAY, PH.D., *Reader in Elementary French.*

Berlin, Germany. L.L.A., St. Andrew's University, 1900; A.M., University of Pennsylvania, 1901, and Ph.D., 1907. University College, Nottingham, England, 1892–97; Student in France and Germany, 1903.

UNA MCMAHAN, A.B., *Reader and Demonstrator in History of Art and Classical Archæology.*

A.B., Smith College, 1894. Graduate Student in Greek and Classical Archæology, University of Chicago, 1894–95, 1896–99; University of Berlin, 1900–01; American School of Classical Studies, Rome, 1902–04; Studied in Oxford, 1906, 1907.

LILY ROSS TAYLOR, A.B., *Reader in Latin.*

A.B., University of Wisconsin, 1906. Graduate Scholar in Latin, Bryn Mawr College, 1906–07, and Fellow in Latin, 1907–08.

VIRGINIA RAGSDALE, PH.D., *Reader in Mathematics.*

S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892–93, and Graduate Student, Bryn Mawr College, 1893–97, 1907–08. A.B., Bryn Mawr College, 1896, and Ph.D., 1906. Holder of the Bryn Mawr European Fellowship, and Assistant Demonstrator in Physics, Bryn Mawr College, 1896–97; Student, University of Göttingen, 1897–98; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901–02, and Fellow in Mathematics, 1902–03.

LILLIE DEMING LOSHE, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1899; A.M., Columbia University, 1903, and Ph.D., 1908. Graduate Student, Barnard College, 1899–1900; Columbia University, 1901–04, First Semester, 1904–05, and 1905–07.

ASA RUSSELL GIFFORD, A.M., *Reader in Philosophy.*

A.B., Wesleyan University, 1904 and A.M., Yale University, 1907. Assistant in Philosophy, Yale University, 1907–08.

FRANCES LOWATER, B.SC., PH.D., *Demonstrator in Physics.*

Nottingham, England. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906: University College, Nottingham, 1888–91, 1892–93; Newnham College, University of Cambridge, England, 1891–92; Fellow in Physics, Bryn Mawr College, 1896–97, and Graduate Scholar in Physics, 1897–98; Secretary of Bryn Mawr College, 1898–99.

GFRTRUDE LANGDEN HERITAGE, A.M., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student in Chemistry, Bryn Mawr College, 1896–97, 1898–1900, and Graduate Student in Mathematics and Chemistry, 1897–98.

ANNA BELL LAWTHER, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1897. Assistant Bursar, Bryn Mawr College, 1898–1900; Graduate Student, Bryn Mawr College, 1898–99, 1904–05; Warden of Merion Hall, 1904, 1904–05.

ETHEL WALKER, A.M., *Recording Secretary and Appointment Secretary.*

A.B., Bryn Mawr College, 1894, and A.M., 1904. Graduate Scholar in Archæology, Bryn Mawr College, 1902–04; Recording Secretary, 1904–06, and Appointment Secretary, 1905–07.

MARY LETITIA JONES, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1902. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892–97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898–99, and Librarian, 1900–05.

MARY ELLEN BAKER, A.B., B.L.S., *Head Cataloguer.*

A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908. Assistant in Latin, Missouri Valley College, 1901–05, and Librarian, 1902–06. Illinois State Library School, 1906–07; New York State Library School, 1907–08.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics.*

ELIZABETH L. GRAY, *Assistant Director of Athletics and Gymnastics.*

MARY WARREN TAYLOR, *Keeper of Gymnastic Records.*

ELLA B. EVERITT, M.D., *Visiting Physician of the College.*

ANNE HEATH THOMAS, M.D., *Assistant Visiting Physician of the College.*

THOMAS F. BRANSON, M.D., *Attending Physician of the College.*

JOHN H. MUSSER, M.D., *Consultant Physician in Cardiac Cases.*

GEORGE DE SCHWEINITZ, M.D., *Consultant Oculist.*

HELEN MURPHY, M.D., *Examining Oculist.*

The Academic Committee of the Alumnæ.

LOUISE SHEFFIELD BROWNELL SAUNDERS, A.B. (Mrs. Arthur Percy Saunders), *Chairman, Clinton,* New York.

ELEANOR LOUISA LORD, PH.D., *Secretary, Woman's College of Baltimore,* BALTIMORE, MD.

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RUTH WADSWORTH FURNESS PORTER, A.B. (Mrs. James Foster Porter), HUBBARD WOODS, ILL.

EVELYN WALKER, A.B., 119 *Park Street,* BROOKLINE, MASS.

BERTHA HAVEN PUTNAM, PH.D., *Mt. Holyoke College,* SOUTH HADLEY, MASS.

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Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college:

NEW YORK CITY: MISS EMILY REDMOND CROSS, 6 *Washington Square.*
MRS. EDMUND BEECHER WILSON, 468 *Riverside Drive.*

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SYRACUSE, N. Y.: MRS. FREDERICK A. SAUNDERS, 504 *Ostrom Avenue.*

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

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WASHINGTON, D. C.: MRS. HERBERT KNOX SMITH, *The Highlands.*

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CHICAGO, ILL.: MISS ETHEL EUGENIE HOOPER, 10 *Astor Street.*

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STUDENTS.

Fellows and Graduate Students, Academic Year, 1908–09.

LEWIS, MAYONE, ...*Holder of the Bryn Mawr European Fellowship.*

Philadelphia. A.B., Bryn Mawr College, 1908. Student, Universities of Munich and Paris, 1908-09.

NICHOLS, HELEN HAWLEY,
Holder of the Mary E. Garrett European Fellowship.

Marietta, O. A.B., Marietta College, 1906. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08; Student, University of Oxford, 1908-09.

COULTER, CORNELIA CATLIN,
Holder of the President M. Carey Thomas Fellowship.

Ferguson, Mo. A.B., Washington University, 1907. Graduate Scholar in Latin, Bryn Mawr College, 1907-08; Student, University of Munich, 1908-09.

WEUSTHOFF, ANNA SOPHIE,
Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology.

New York City. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-09; Special Ottendorfer Memorial Research Fellow in Teutonic Philology, 1907-08.

BURNLEY, MARY CLOYD, *Holder of Research Fellowship in Chemistry.*

Swarthmore, Pa. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Fellow in Chemistry, Bryn Mawr College, 1897-98; Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-08.

SWINDLER, MARY HAMILTON, ...*Fellow in Greek.*

Bloomington, Ind. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-08.

AVEN, ANNA WARD, ...*Fellow in Latin.*

Clinton, Miss. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08.

SANDISON, HELEN ESTABROOK, ...*Fellow in English.*

Terre Haute, Ind. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906-07; Assistant Principal of the High School, Brookville, Ind., 1907-08.

HARMON, ESTHER,........*Fellow in German and Teutonic Philology.*

Toledo, O. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07. Holder of the President's European Fellowship and Student, University of Berlin, 1907-08.

MILLMAN, MABEL HELEN,.........................*Fellow in French.*

Toronto, Canada. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908; Teacher of History in the Westbourne School, Toronto, January to June, 1908, and of Latin in Havergal College, Toronto, April to June, 1908.

CAM, HELEN MAUD,..............................*Fellow in History.*

Bishops Stortford, England. B.A., University of London, 1908. Royal Holloway College, 1904-07.

Chamberlain, Ethel Mary, ... *Fellow in Philosophy.*

Galesburg, Ill. A.B., Lombard College, 1906. Graduate Student, University of Chicago, 1906-08.

Smith, Eva Maria, ... *Fellow in Mathematics.*

London, England. Newnham College, University of Cambridge, 1904-08. Graduate in Honours, First Class, Cambridge Mathematical Tripos, Part I, 1907, and Part II, 1908.

Lamberton, Helen, ... *Fellow in Physics.*

Philadelphia. A.B., Bryn Mawr College, 1907, and A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08.

Reynolds, Grace Potter, ... *Fellow in Chemistry.*

Stamford, Conn. A.B., Smith College, 1904; A.M., Columbia University, 1905. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Barnard College, 1906-08.

Reed, Margaret Adaline, ... *Fellow in Biology.*

Meyersdale, Pa. A.B., Woman's College of Baltimore, 1901. Graduate Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03. Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory, Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical College for Women, and Barnard College, 1904-07; Student in Berlin, Summer, 1908.

Peebles, Rose Jeffries,

Fellow by Courtesy and Graduate Scholar in English.

Birmingham, Ala. A.B., Mississippi State College for Women, 1891. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Fellow in English, 1907-08.

Abbott, Fidelia Nichols, ... *English and Philosophy.*

Quanah, Okla. A.B., Ottawa University, 1906.

Allen, Jane, ... *English.*

Philadelphia. A.B., Bryn Mawr College, 1904. Assistant Instructor in English, Swarthmore College, 1904-05, and Reader in English, 1906-08; Graduate Student in English, Bryn Mawr College, 1907-09.

Ashburner, Elizabeth Atkins, ... *English.*

Bryn Mawr, Pa. A.B., Cornell University, 1903. Graduate Student, Cornell University, 1903-04; Graduate Student, Bryn Mawr College, 1904-06.

Baldwin, Alice Mary, ... *History.*

Acworth, N. H. A.B., Cornell University, 1900, and A.M., 1902. Graduate Student, Columbia University, 1902-03; Sorbonne, 1902; Teacher of Languages, Fargo College, Fargo, North Dakota, 1903-05; Teacher of German, History, and English in the Baldwin School, Bryn Mawr, Pa., 1905-09.

Bliss, Eleanor Frances, ... *Geology.*

Bryn Mawr, Pa. A.B. and A.M., Bryn Mawr College, 1904. Graduate Student, Bryn Mawr College, 1904-05; Graduate Scholar in Geology, Bryn Mawr College, 1905-06, and Assistant Curator of Geological Museum, 1908-09.

Boyer, Martha Getz, ... *Geology.*

Reading, Pa. A.B., Bryn Mawr College, 1909.

Bowerman, Helen Cox, ... *Graduate Scholar in Archæology.*

Point Pleasant, N. J. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07, and Associate Professor of Latin, 1907-08.

BROWNELL, HARRIET MATHER, ... *Archæology.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1896. Teacher of Latin, Greek, and Mathematics in the Passaic Collegiate School, Passaic, N. J., 1896-99, and Teacher of Greek and Latin, 1899-1905; Student in Latin and Archæology, University of Munich, and American School of Classical Studies, Rome, 1905-06; Teacher of Latin in the Holman School, Philadelphia, 1906-09, and Assistant to the Principal, 1908-09.

BRUFF, ANNA MARIE,
Greek and Semitic Languages and Biblical Literature.

Atlantic, Ia. A.B., Penn College, 1908. Holder of the Penn Graduate Scholarship, 1908-09.

BRUSSTAR, MARGARET ELIZABETH, ... *Mathematics.*

Birdsboro, Pa. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-09; Graduate Scholar in Mathematics, Bryn Mawr College, 1907-08.

BUNKER, MARIE, ... *French.*

Overbrook, Philadelphia. A.B., Bryn Mawr College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1907-08.

CAMPBELL, ANNIE CATHERINE, ... *English, History, and Chemistry.*

Mechanicsburg, Pa. A.B., Irving College, 1907.

CORBUS,* FLORENCE KETCHUM, ... *History of Art.*

Bryn Mawr, Pa. B.L., University of Wisconsin, 1901, and M.L., 1903. Bryn Mawr College, 1899-1900.

COSTELLOE, RACHEL CONN, ... *Greek, English, and Philosophy.*

Iffley, Oxford, England. Newnham College, University of Cambridge, 1905-08; Cambridge Mathematical Tripos, Part I, 1908.

CRAWFORD, EMILY C., ... *Graduate Scholar in Latin.*

Montreal, Canada. A.B., McGill University, 1907. Graduate Scholar in Greek, Bryn Mawr College, 1907-08.

DAUGHTREY, GENE, ... *English and Philosophy.*

Georgetown, Tex. Ph.B., Southwestern University, 1908.

DE LAGUNA,† GRACE MEAD ANDRUS, ... *Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

DOWNING, MAUD, ... *Semitic Languages.*

Fournier, Ontario, Canada. A.B., University of Toronto, 1902. Graduate Student, University of Toronto, 1902-03; Graduate Scholar in Psychology, Bryn Mawr College, 1903-04, and in Semitic Languages, 1904-07, and Reader in Semitic Languages, 1907-09; Honorary Fellow in Semitic Languages, Johns Hopkins University, 1908-09.

DROEGE, MATHILDE, ... *Geology.*

New York City. S.B., University of Chicago, 1908. Teacher in the Bryn Mawr School, Baltimore, Md., 1895-1900, 1904-07; Teacher in the Baldwin School, Bryn Mawr, Pa., 1908-09.

FOSTER, ELIZABETH ANDROS, ... *Graduate Scholar in Latin.*

Sharon, Mass. A.B., Bryn Mawr College, 1908.

FOWLER, EUGENIA, ... *Spanish.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis and Graduate Student, Bryn Mawr College, 1901-02; Fellow in Physics, 1902-03; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, Md., 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.

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*Mrs. Frederick Godfrey Corbus. †Mrs. Theodore de Leo de Laguna.

Frank,* Grace, ... *French.*

Bryn Mawr, Pa. A.B., University of Chicago, 1905.

Greene, Inez Abigail, ... *Graduate Foundation Scholar.*

Whittier, Cal. A.B., Whittier College, 1904. Assistant Principal of Juvenile Department, The Public Library, Los Angeles, Cal., 1904-08.

Hale, Mabel, ... *Latin.*

Raleigh, N. C. A.B., Cornell University, 1902, and A.M., 1903. Teacher of Latin in Kemper Hall, Kenosha, Wis., 1903-06, and in the Baldwin School, Bryn Mawr, Pa., 1906-09.

Hall, Edith Hayward, ... *Archæology.*

Woodstock, Conn. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908. Teacher of Greek and History in Woodstock Academy, Woodstock, 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-07, and Graduate Scholar, 1901-03; Holder of the Mary E. Garrett European Fellowship, 1903-04; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05; Lecturer in Archæology, Mt. Holyoke College, Second Semester, 1908-09.

Hotchkiss, Ruth, ... *History and Economics and Politics.*

Akron, O. Ph.B., Buchtel College, Akron, 1907.

Huff,† Helen Elizabeth, ... *Physics.*

Bryn Mawr, Pa. A.B., Dickinson College, 1903, A.M., 1905, and Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08.

Huff, Frances Josephine, ... *English.*

Bridgeport, Tenn. A.B., Carson-Newman College, 1908.

Jackson,‡ M. Katharine, ... *Hearer in Egyptian.*

Bryn Mawr, Pa. Somerville Hall, University of Oxford, 1906-07.

James, Eleanor, ... *History of Art.*

Philadelphia. A.B., Bryn Mawr College, 1902. Teacher in the Public School, Milford, Del., 1902-03, and in Miss Gleim's School, Pittsburgh, Pa., 1903-08.

Jeffers, Mary, ... *History of Art.*

Bryn Mawr, Pa. Teacher of Greek and Latin in the York Collegiate Institute, York, Pa., 1893-96. A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1897-1907; Student, University of Bonn, summer of 1905; Supervisor of Greek, Latin, German, and History Departments, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Private Tutor, 1892-1909.

Jonas, Anna Isabel, ... *Geology.*

Bridgeton N. J. A.B., Bryn Mawr College, 1904, and A.M., 1905. Graduate Student, Bryn Mawr College, 1904-05, Graduate Scholar in Geology, 1905-06, and Assistant Curator of Geological Museum, 1908-09.

Keiller, Mabel Matthewson, ... *English.*

Narberth, Pa. A.B., Bryn Mawr College, 1908. Private Tutor, 1908-09.

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*Mrs. Tenney Frank.

† Mrs. William Bashford Huff.

‡ Mrs. William H. Jackson.

King, Helen Maxwell, ...*German, French, and Biology.*

Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908.

King, Maude Gladys, ...*English and Philosophy.*

Los Angeles, Cal. A.B., University of Southern California, 1908. University of Oregon, 1903-06.

Matsuda, Michi, ...*Graduate Scholar in Economics.*

Tango, Japan. A.B., Bryn Mawr College, 1899. Teacher in Kobe College, Kobe, Japan, 1899-1904, and in The Doshisha, Kyoto, Japan, 1904-08.

McMahan, Una, ...*Egyptian.*

Bryn Mawr, Pa. A.B., Smith College, 1894. Graduate Student in Greek and Classical Archæology, University of Chicago, 1894-95, 1896-99; University of Berlin, 1900-01; American School of Classical Studies, Rome, 1902-04; Studied in Oxford, 1906, 1907; Demonstrator in History of Art and Classical Archæology, Bryn Mawr College, 1907-09, and Reader, 1908-09.

Morgan, Louise Baggott, ...*Graduate Scholar in English.*

Providence, R. I. A.B. and A.M., Brown University, 1907. Graduate Scholar in English, Bryn Mawr College, 1907-08.

Murtha, Mary Washburn,. ....*Graduate Scholar in Biology.*

New York City. A.B., Barnard College, 1908.

Nutting, Helen Cushing, ...*English.*

Jersey City, N. J. A.B., Vassar College, 1907.

Nutting, Phoebe Cushing, ...*English.*

Jersey City, N. J. A.B., Vassar College, 1907.

Orlady, Edith Thompson, ...*Italian.*

Haverford, Pa. A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09.

Paddock, Helen L., ...*History.*

Philadelphia. A.B., Mount Holyoke College, 1905, and A.M., 1907. Holder of Cornelia M. Clapp Fellowship of Mount Holyoke College, 1906-07; Teacher in Miss Roney's School, Bala, 1907-08; Teacher of History in the Misses Kirk's School, Bryn Mawr, Pa., 1908-09; Graduate Student in History, 1905-07, 1908-09.

Peebles, Florence, ...*Biology.*

Bryn Mawr, Pa. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-08; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902; and Associate Professor of Biology, 1902-06; Teacher of Science in Miss Wright's School, Bryn Mawr, Pa., 1906-07; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-09; Student, University of Bonn, Summer, 1906.

Pew, Ethel, ...*History.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1906.

Philputt, Grace Maxwell, ...*Graduate Scholar in Spanish.*

Indianapolis, Ind. A.B., Indiana State University, 1908.

Rambo, Eleanor Ferguson, ...*Graduate Scholar in Greek.*

Philadelphia. A.B., Bryn Mawr College, 1908. City Scholar, 1904-08.

Rand, Marie Gertrude,...........*Graduate Scholar in Psychology.*

Brooklyn, New York City. A.B., Cornell University, 1908.

Rendel, Frances Elinor, *Graduate Scholar in Economics and Politics.*

London, England. Newnham College, University of Cambridge, England, 1903-07. Cambridge Historical Tripos, Part I, 1906; Part II, 1907.

Richards, Annabella Elliott, ... *Graduate Scholar in Chemistry.*

Merion, Pa. A.B., Bryn Mawr College, 1907.

Rodi, Irma, ... *Graduate Scholar in Philosophy.*

Calumet, Mich. A.B., University of Michigan, 1908.

Saint, Pauline, ... *English and German.*

New Castle, Ind. A.B., Earlham College, 1908. Holder of the Earlham Graduate Scholarship, 1908-09.

Sanderson, Ruth Elizabeth, ... *Graduate Scholar in Archæology.*

Moosup, Conn. A.B., Mt. Holyoke College, 1905. Assistant in Latin and Greek, Black River Academy, 1905-08.

Schenck, Eunice Morgan, ... *French.*

Philadelphia. A.B., Bryn Mawr College, 1907.

Schmidt, Gertrud Charlotte, ... *Teutonic Philology.*

Cambridge, Mass. B.L., University of Wisconsin, 1900. Graduate Student, Radcliffe College, 1900-01, 1902-03; A.M., Radcliffe College, 1903; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, and Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-09; Holder of the President's European Fellowship and Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.

Smith, Clara Lyford, ... *Graduate Scholar in Latin.*

Los Angeles, Cal. A.B., Bryn Mawr College, 1907, and A.M., 1908. Graduate Scholar in Greek, Bryn Mawr College, 1907-08.

Smith, Maria Wilkins, ... *History.*

Philadelphia. A.B., Bryn Mawr College, 1906. Private Tutor and Assistant in Miss Blakey's School, Philadelphia, 1906-07; Principal of Class for Girls, Philadelphia, 1907-09.

Spalding, Mary Caroline, ... *Graduate Scholar in English.*

Bryn Mawr, Pa. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08; Teacher in the Misses Shipley's School, Bryn Mawr, 1906-08.

Stoddard, Virginia Tryon, ... *Mathematics.*

Mt. Holly, N. J. A.B., Bryn Mawr College, 1903. Warden of Radnor Hall and Graduate Student, Bryn Mawr College, 1904-08.

Tatum, Lucy Richardson, ... *Economics and Politics.*

Fallsington, Pa. A.B., Wellesley College, 1908.

Taylor, Lily Ross, ... *Greek and Latin.*

Madison, Wis. A.B., University of Wisconsin, 1906. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Fellow in Latin, 1907-08, and Reader in Latin, 1908-09.

Treadwell, Lois Olive, ... *Greek and English.*

St. Peter, Minn. A.B., Gustavus Adolphus College, 1908. Assistant Teacher in Greek, Gustavus Adolphus Academy, 1907-08.

True, Helen Ella, ... *Archæology.*

West Somerville, Mass. A.B., Mt. Holyoke College, 1905.

Van Wagener, Elizabeth Marie, ... *Physics and Chemistry.*

Pittsburgh, Pa. A.B., Pennsylvania College for Women, 1902, and A.M., 1905. Graduate Student, Bryn Mawr College, 1902-04, 1906-09; Private Tutor, 1905-06.

Wade, Clara Louise Whipple, ... *Latin and Archæology.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1904. Holder of the Bryn Mawr European Fellowship and Scholar in Latin, Bryn Mawr College and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-07; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, 1907-09.

WHITE, ALICE EVERETT,
English, Semitic Languages, Biblical Literature, and Philosophy.

High Point, N. C. A.B., Guilford College, 1908. Holder of the Guilford Graduate Scholarship, 1908-09.

WIEAND, HELEN EMMA, ... *Graduate Scholar in Archæology.*

Pottstown, Pa. A.B., Mt. Holyoke College, 1906. Graduate Scholar in Latin and Archæology, Bryn Mawr College, 1907-08.

WILLIAMSON,* BERTHA TORREY, ... *Economics and Politics.*

Bryn Mawr, Pa. A.B., Western Reserve University, 1899.

WORKMAN, ANNA CHENEY, *Semitic Languages and Biblical Literature.*

Philadelphia. A.B., Bryn Mawr College, 1905.

Undergraduate Students, Academic Year, 1908–09.

ADAIR, EDITH, ... *Group, Greek and Latin,* 1905-09.

Germantown, Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the James E. Rhoads Sophomore Scholarship, 1906-07, and of City Scholarship, 1905-09.

AKERS, RUTH FAITH, ... *Group, Latin and* ———, 1908-09.

Decatur, Ill. Prepared by the High School, Decatur.

ALDEN, MARY BOGUE,...................... *Group,* ———, 1908-09.

Rochester, N. Y. Prepared by the High School, Rochester, and by the Baldwin School, Bryn Mawr, Pa.

ALEXANDER, WILLA BULLITT,
Group, History and Economics and Politics. 1907-09.

Pittsburgh, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

ALLEN, JEANNETTE VALERIE, ... *Group,* ———, 1907-09.

Fort Yellowstone, Wyo. Prepared by Rosemary Hall, Greenwich, Conn.

ALLEN, MARY NORTON, ... *Group, Latin and French,* 1905-09.

Worcester, Mass. Prepared by Wykeham Rise, Washington, Conn., and by private tuition.

ALLINSON, SUSANNE CAREY, ... *Group, Greek and Latin,* 1906-09.

Providence, R. I. Prepared by Miss Wheeler's School, Providence, and by the Bryn Mawr School, Baltimore, Md.

ARTHURS, ANN CATHERINE, ... *Group,* ———, 1908-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908-09.

ASHLEY, MABEL PIERCE,
Group, History and Economics and Politics, 1906-09.

New York City. Prepared by the Baldwin School, Bryn Mawr, Pa.

ASHTON, DOROTHY LAING,
Group, History and Economics and Politics, 1906-09.

Germantown, Philadelphia. Prepared by the Swarthmore Preparatory School, Swarthmore, Pa., Swarthmore College, 1905-06.

BABCOCK, RUTH, ... *Group, Latin and French,* 1906-09.

Fall River, Mass. Prepared by the B. M. C. Durfee High School, Fall River, and by the Balliol School, Utica, N. Y.

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*Mrs. Charles Clarence Williamson.

BAKER, PLEASAUNCE, ...*Group, Chemistry and Biology*, 1905-09.

Grasmere, Fla. Prepared by the Pennsylvania College for Women and by private tuition.

BARBER, FANNIE SKEER, ...*Group, Latin and German*, 1905-09.

Mauch Chunk, Pa. Prepared by the High School, Mauch Chunk, and by the National Cathedral School, Washington, D. C.

BARBER, HELEN DOROTHY, ...*Group*, ———, 1908-09.

Portland, Ore. Prepared by the Portland Academy.

BARLOW, AILEEN HARDWICK, ...*Group*, ———, 1908-09.

Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr. Holder of Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States.

BARTHOLOMEW, MARY ELEANOR, ...*Group, Latin and English*, 1905-09.

Chicago, Ill. Prepared by the Lakeview High School, Chicago, by the Pratt Institute High School, Brooklyn, New York City, and by private tuition.

BEARDWOOD, JANE, ...*Group*, ———, 1908-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

BELIEKOWSKY, SADIE,..............*Group, Greek and Latin*, 1908-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1908-09.

BELLEVILLE, MARIE ELIZABETH,
Group, Mathematics and Physics, 1905-09.

Pittsburgh, Pa. Prepared by the Central High School, Pittsburgh.

BIDDLE, MARIA GEORGINA,
Group, History and Economics and Politics, 1905-06, 1907-09.

Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.

BIXLER, IRMA BERTHA,
Group, History and Economics and Politics, 1906-09.

Pittsburgh, Pa. Prepared by the Pennsylvania College for Women and by the Misses Kirk's School, Rosemont, Pa.

BLEY, HELEN MÜLLER, ...*Group, Greek and Latin*, 1906-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the First (equal) Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, and of Trustees' Philadelphia Girls' High School Scholarship, 1906-09.

BLUM, SOPHIA, ...*Group*, ———, 1907-09.

Reno, Nevada. Prepared by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

BOGGS, ANITA UARDA, ...*Group, German and Spanish*, 1906-09.

Harrisburg, Pa. Prepared by the Misses Sergeant and Miss Bent's School, Harrisburg.

BONTECOU, ELEANOR, ...*Group, Latin and Mathematics*, 1908-09.

Orange, N. J. Prepared by Miss Beard's School, Orange. Holder of First Bryn Mawr Matriculation Scholarship for New York, New Jersey, and Delaware, 1908-09.

BONTECOU, MARGARET,
Group, History and Economics and Politics, 1905-09.

Orange, N. J. Prepared by Miss Beard's School, Orange. Holder of the Maria L. Eastman Brooke Hall Memorial Scholarship, 1908-09.

BOYER, JUDITH MCCUTCHEON,
Group, History and Economics and Politics, 1905-09.

Pottsville, Pa. Prepared by the High School, Pottsville, and by Miss Wright's School, Bryn Mawr, Pa. Holder of the Elizabeth Duane Gillespie Scholarship in American History, 1908-09.

Boyer, Martha Getz,
Group, Mathematics and Chemistry, 1899-1902, 1907-09.

Reading, Pa. Prepared by the Girls' High School, Reading. Teacher of Mathematics in the Girls' High School, Reading, 1902-07.

Branham, Grace Bagnall, ...*Group, Greek and English*, 1906-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Branson, Katharine Fleming,
Group, Latin and Mathematics, 1905-09.

Coatesville, Pa. Prepared by the High School, Coatesville, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

Brown, Alice Lucile, ...*Group*, ———, 1908-09.

Denver, Colo. Prepared by Miss Wolcott's School, Denver, by the Burnham School, Northampton, Mass., and by Miss Wright's School, Bryn Mawr, Pa.

Brown, Helen Dalton, ...*Group, Latin and German*, 1905-09.

Chicago, Ill. Prepared by the Convent of the Sacred Heart, by the University High School, Chicago, and by private tuition.

Brown, Marion Hastings, ...*Group*, ———, 1908-09.

St. Paul, Minn. Prepared by Ogdensburg Free Academy, Ogdensburg, N. Y., and by the Balliol School, Utica, N. Y. Holder of Second Bryn Mawr Matriculation Scholarship for New York, New Jersey, and Delaware, 1908-09.

Brown, Mary Wilmarth, ...*Group*, ———, 1908-09.

Chicago, Ill. Prepared by the University High School, Chicago.

Browne, Frances, ...*Group, Greek and Philosophy*, 1905-09.

New York City. Prepared by the Veltin School, New York City.

Browne, Norvelle Whaley, ...*Group*, ———, 1907-09.

New York City. Prepared by the Veltin School, New York City, and by private tuition.

Buchanan, Isabel, ...*Group*, ———, 1908, 1908-09.

Trenton, N. J. Prepared by the Misses Shipley's School and by Miss Clara L. W. Wade and by the Misses Kirk's School, Bryn Mawr, Pa.

Byrne, Laura Laurenson, ...*Group*, ———, 1908-09.

Ellicott City, Md. Prepared by St. Timothy's School, Catonsville, Md.

Cabot, Ruth, ...*Group, Greek and Latin*, 1906-09.

Milton, Mass. Prepared by the Milton Academy, Milton.

Cam, Norah, ...*Group*, ———, 1908-09.

Bishop's Stortford, England. Prepared by private tuition.

Canan, Virginia Custer, ...*Group*, ———, 1907-09.

Altoona, Pa. Prepared by the Birmingham High School, Birmingham, Pa.

Carey, Frances King, ...*Group, Greek and Latin*, 1907-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, and by the Misses Shipley's School, Bryn Mawr, Pa.

Carey, Louise, ...*Group*, ———, 1904-05, 1908, 1908-09.

Baltimore, Md. Prepared by Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, and by private tuition.

Case, Mary Frank,
Group, Economics and Politics and Philosophy, 1907-09.

New York City. Prepared by the Brearley School, New York City.

CASKEY, EMILY EDNA, ...*Group, Latin and German,* 1907-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-09.

CHAMBERLAIN, GLADYS ELIZABETH, ...*Group,* ———, 1908-09.

Portland, Me. Prepared by the Waynflete School, Portland. Holder of Second Bryn Mawr Matriculation Scholarship for the New England States, 1908-09.

CHAMBERS, AGNES, ...*Group,* ———, 1908-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

CHAMBERS, KATE ETHEL, ...*Group, German and French,* 1907-09.

Adana, Turkey. Prepared by Miss Irwin's School, Philadelphia, and by private tuition.

CHANNING, ALICE, ...*Group,* ———, 1907-09.

Cambridge, Mass. Prepared by Miss Ingol's School, Cambridge, and by Miss Winsor's School, Boston, Mass.

CHASE, CARMELITA, ...*Group,* ———, 1908-09.

Omaha, Neb. Prepared by Brownell Hall, Omaha.

CHASE, DOROTHY, ...*Group,* ———, 1908-09.

Chicago, Ill. Prepared by the Kirkland School, Chicago, and by the Lakeview High School, Chicago.

CHASE, ETHEL BIRD,
Group, Economics and Politics and Philosophy, 1906-09.

Washington, D. C. Prepared by the Friends' School, Washington.

CHICKERING, JULIA,
Group, History and Economics and Politics, 1907-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-09.

CHILD, DOROTHY MARTIN, ...*Group, Latin and French,* 1905-09.

Germantown, Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Holder of Foundation Scholarship, 1905-09.

CLAFLIN, CHARLOTTE ISABEL, ...*Group, Greek and English,* 1907-09.

Cambridge, Mass. Prepared by the Cambridge Latin School, Cambridge. Holder of the Second Matriculation Scholarship for the New England States, 1907-08.

CLARKE, PAULINE IDA, ...*Group,* ———, 1908-09.

New York City. Prepared by the Balliol School, Utica, N. Y.

CLIFTON, ANNA ELEANOR, ...*Group, Greek and Latin,* 1905-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1905-09.

CLIFTON, JESSIE WILLIAMS, ...*Group, Greek and Latin,* 1907-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-09.

COFFIN, DOROTHY, ...*Group, Latin and French,* 1907-09.

Winnetka, Ill. Prepared by the Girton School, Winnetka.

COLE, BLANCHE ELIZABETH, ...*Group,* ———, 1907-09.

Chester, Ill. Prepared by the High School, Chester, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

COLE, DOROTHEA,
Group, History and Economics and Politics, 1906-09.

Chester, Ill. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

COLLINS, RUTH, ...*Group, English and Philosophy*, 1906-09.

Pitman Grove, N. J. Prepared by the Drexel Institute, Philadelphia, and by private tuition.

COLTER, HELEN MARGARET, ...*Group*, ———, 1908-09.

Cincinnati, O. Prepared by the Bartholomew Clifton School, Cincinnati. Holder of First Bryn Mawr Matriculation Scholarship for the Western States, 1908-09.

CONGDON, GERTRUDE, ...*Group, Latin and Mathematics*, 1905-09.

Evanston, Ill. Prepared by the High School, Evanston. Northwestern University, 1904-05.

COOK, RUTH HARWOOD, ...*Group, French and Spanish*, 1907-09.

Chicago, Ill. University of Wisconsin, 1905-07.

CORNELL, ESTHER STUART,
Group, History and Economics and Politics, 1907-09.

Coraopolis, Pa. University of Chicago, 1906-07.

CORWIN, MARGARET TRUMBULL, ...*Group*, ———, 1908-09.

New Haven, Conn. Prepared by the High School, New Haven.

COSTELLOE, KATHERINE ELIZABETH MARY CONN, *Group*, ———, 1908-09.

Iffley, Oxford, England. Prepared by the Kensington High School, London, England, and by the Roedean School, Brighton, England. Newnham College, University of Cambridge, England, 1907-08.

COX, CAROLINE BESSIE,..........*Group, Latin and English*, 1906-09.

Philadelphia. Prepared by Miss Keyser's School, Philadelphia.

CRANE, MARION DELIA, ...*Group, English and* ———, 1907-09.

Providence, R. I. Prepared by the High School, Abington, Mass., and by private tuition. Holder of the James E. Rhoads Sophomore Scholarship, 1908-09.

CRANE, HELEN BOND, ...*Group, Latin and French*, 1905-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, and by private tuition.

CRENSHAW, FANNY GRAVES, ...*Group*, ———, 1908-09.

Richmond, Va. Prepared by Miss Ellett's School, Richmond.

DARKOW, ANGELA CHARLOTTE, ...*Group, Greek and Latin*, 1907-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of First Matriculation Scholarship for Pennsylvania and the Southern States, 1907-08, and of Trustees' Philadelphia Girls' High School Scholarship, 1907-09. Holder of the Maria Hopper Sophomore Scholarship, 1908-09.

DAY, ROSALIE, ...*Group*, ———, 1908-09.

Catskill, N. Y. Prepared by Wykeham Rise School, Washington, Conn.

DE ANGELIS, ANNINA,...........*Group, German and French*, 1906-09.

Utica, N. Y. Prepared by the Balliol School, Utica.

DEEMS, ELSIE, ...*Group, English and German*, 1906-09.

Hornell, N. Y. Prepared by the High School, Hornellsville, and by the Balliol School, Utica, N. Y.

DELANO, CATHARINE, ...*Group, Greek and English*, 1907-09.

Chicago, Ill. Prepared by the Francis W. Parker School, Chicago, and by Rosemary Hall, Greenwich, Conn.

DEMING, CONSTANCE,
Group, History and Economics and Politics, 1906-09.

New York City. Prepared by the Veltin School, New York City, and by the Balliol School, Utica, N. Y.

DENISON, ELSA, *Group, History and Economics and Politics*, 1906-09.

Denver, Colo. Prepared by the Manual Training High School, Denver, and by the Baldwin School, Bryn Mawr, Pa.

DEPEW, CHRISTINE ELLEN, *Group, Mathematics and* ———, 1907-09.

Delano, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

DILLIN, MARGARET SIDNER, ...*Group, Latin and German*, 1905-09.

Radnor, Pa. Prepared by the High School, Radnor. Holder of the Maria L. Eastman Brooke Hall Memorial Scholarship, 1908-09.

DODD, HANNAH MARIA, ...*Group, Latin and Mathematics*, 1907-09.

Midway, Del. Prepared by the Misses Hebb's School, Wilmington, Del.

DOE, JULIA ADRIENNE, ...*Group, Greek and Mathematics*, 1905-09.

Milwaukee, Wis. Prepared by Milwaukee-Downer College.

DOHENY, MARY ELIZABETH, ...*Group, Latin and French*, 1906-09.

Haverford, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

DONALDSON, ELISE, ...*Group, Latin and English*, 1905-09.

St. Denis, Md. Prepared by Flushing Seminary, Flushing, N. Y., Holder of Maria Hopper Scholarship, 1906-07 ; Holder of Mary E. Stevens Scholarship, 1907-08.

DOOLITTLE, MARGARET, ...*Group, Latin and* ———, 1907-09.

Mt. Vernon, N. Y. Prepared by the Lockwood Collegiate Institute, Heathcote Hall, Scarsdale, N. Y.

DUDLEY, HELEN, ...*Group, Greek and Philosophy*, 1904-07, 1909.

Chicago, Ill. Prepared by Dearborn Seminary, Chicago. University of Chicago, 1903-04 ; University of Oxford, 1908-09.

DURAND, MILDRED PAULINE, ...*Group, Latin and English*, 1905-09.

Southampton, Pa. Prepared by the George School, George School, Pa.

ECOB, KATHARINE GILBERT, ...*Group, Chemistry and Biology*, 1905-09.

Flushing, L. I. Prepared by Miss Case and Miss Child's School and by Miss Child's College Preparatory Classes, Philadelphia.

EDGERTON, GLADYS, ...*Group*, ———, 1908-09.

New York City. Prepared by Mrs. Merrill's School for Girls, Oaksmere, N. Y.

EHLERS, BERTHA SOPHIE, ...*Group, Latin and German*, 1905-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the First Matriculation Scholarship for Pennsylvania and the Southern States, 1905-06 ; Holder of Trustees' Philadelphia Girls' High School Scholarship, 1905-09.

EICHBERG, ALICE, ...*Group, Latin and English*, 1907-09.

Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati. Holder of the First Matriculation Scholarship for the Western States, 1907-08.

ELCOCK, GERTRUDE MARIE, ...*Group*, ———, 1908-09.

Glenside, Pa. Prepared by the Agnes Irwin School, Philadelphia.

EMERSON, HELEN, ...*Group, English and* ———, 1907-09.

Providence, R. I. Prepared by the Lincoln School, Providence. Holder of the First Matriculation Scholarship for the New England States, 1907-08.

EVANS, KATHERINE MARY, ...*Group, Chemistry and Biology*, 1906-09.

Nicholasville, Ky. Prepared by the Bartholomew-Clifton School, Cincinnati, O.

FABIAN, MARGARET,..........................*Group*, ———, 1908-09.

Evanston, Ill. Prepared by the Evanston Township High School, Northwestern University, 1906-07.

Falk, Zip Solomons,
Group, Economics and Politics and Philosophy, 1906-09.

Savannah, Ga. Prepared by Memminger Normal School, Charleston, and by private tuition.

Faries, Elizabeth, ... *Group*, ———, 1908-09.

Chestnut Hill, Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill.

Fendall, Mary Gertrude, ... *Group*, ———, 1908-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Ferris, Frances Canby,.............. *Group*, ———, 1905-07, 1908-09.

Germantown, Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., by the Stevens School, Germantown, and by private tuition.

Field, Aristine,................... *Group, Greek and Latin*, 1907-09.

Lincoln Park, N. Y. Prepared by the High School, Rochester, N. Y., and by the Baldwin School, Bryn Mawr, Pa.

Forman, Ada Elizabeth, *Hearer in German, History and Economics.*

South Pasadena, Cal. Prepared by Los Robles School, Pasadena.

Forster, Emma, ... *Group, Latin and German*, 1907-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-09.

Francis, Clara Jane,......................... *Group*, ———, 1908-09.

Martins Ferry, O. Prepared by the High School, Martins Ferry.

Friend, Margaret Alice,
Group, Economics and Politics and Philosophy, 1907-09.

Milwaukee, Wis. Prepared by Milwaukee-Downer College.

Funkhouser, Elsie Lush, ... *Group, Greek and Latin*, 1907-09.

Lincoln, Neb. University of Nebraska, 1906-07.

Garrigues, Margaret Ashmead, ... *Group*, ———, 1908-09.

Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

Gayler, Ruth Hamilton,.......... *Group, Greek and Latin*, 1907-09.

Stamford, N. Y. Prepared by the High School, Mt. Vernon, N. Y.

George, Mary Ruth Ethelwyn,
Hearer in English and Spanish, 1906-09.

Allegheny, Pa. Prepared by the High School, Allegheny, and by the Preparatory School of the Pennsylvania College for Women.

Gilroy, Helen Turnbull,. . *Group, Mathematics and Physics*, 1905-09.

Philadelphia. Prepared by the High School, East Orange, N. J., and by Miss Keyser's School, Philadelphia. Holder of the Anna M. Powers Memorial Scholarship, 1908-09.

Gilroy, Jessie Jay, ... *Group, Greek and French*, 1905-09.

Aldan, Pa. Prepared by the Girls' High School, Philadelphia. Holder of the L. C. B. Saul Memorial Scholarship, 1905-09.

Glenn, Florence Martha, ... *Group*, ———, 1908-09.

Johnstown, Pa. Prepared by the High School, Johnstown.

Goldman, Agnes, ... *Group, Mathematics and Physics*, 1904-09.

New York City. Prepared by Dr. J. Sachs's School for Girls, New York City.

Goodale, Catharine Warren,
Group, History and Economics and Politics, 1905-08, 1909.

Waialua, Oahu, H. I. Prepared by Oahu College, Honolulu, H. I.

GOODNOW, ISABEL LYALL,
Group, French and Spanish, 1905-07, 1908-09.

New York City. Prepared by the Veltin School, New York City.

GOODWIN, MARY MERRICK,
Group, History and Economics and Politics, 1905-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1905-09.

GORDON, GRACE RIX,......................*Group,* ———, 1908-09.

Newton Centre, Mass. Prepared by the High School, Newton, Mass., by Howard Seminary, West Bridgewater, Mass., and by Nichols Academy, Dudley, Mass.

GRAY, ELIZABETH L.,....*Hearer by Courtesy in English and History.*

Hull, Mass. Assistant Director of Athletics and Gymnastics, Bryn Mawr College, 1908-09.

GRISCOM, ETHEL LYDIA, ...*Group,* ———, 1909.

Bryn Mawr, Pa. Prepared by Tudor Hall School, Forest Hill, London, England, and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.

GUCKENHEIMER, ADELE, ...*Group,* ———, 1908-09.

Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

HAINES, JULIA LORING, ...*Group,* ———, 1908-09.

Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

HAMMER, CHRISTINE POTTS,.................*Group,* ———, 1908-09.

Pottstown, Pa. Prepared by Dana Hall, Wellesley, Mass.

HARLAN, ANNA ELIZABETH,......*Group, English and French,* 1905-09.

Coatesville, Pa. Prepared by Miss Florence Baldwin's School, Bryn Mawr, Pa.

HARTSHORNE, ANNA,.............*Group, German and* ———, 1908-09.

Brighton, Md. Prepared by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1908-09.

HARTWIG, ANNA L., *Hearer by Courtesy in English and History of Art.*

Philadelphia. Trained Nurse, Bryn Mawr College, 1908-09.

HEALY, JOSEPHINE,
Group, History and Economics and Politics, 1906-09.

Pottstown, Pa. Prepared by the Misses Kirk's School, Rosemont, Pa.

HEARNE, ANTOINETTE CLAYPOOLE,
Group, German and Spanish, 1905-09.

Wayne, Pa. Prepared by the High School, Radnor, Pa., by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

HEARNE, FRANCES HALE,
Group, Latin and Italian and Spanish, 1906-09.

Wayne, Pa. Prepared by the High School, Radnor, Pa., by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

HEDGES, MIRIAM MARGARET,
Group, History and Economics and Politics, 1906-09.

Galveston, Tex. Prepared by the Baldwin School, Bryn Mawr, Pa.

HEFFERN, ANNA CONSTANCE,...............*Group,* ———, 1908-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1908-09.

HENDERSON, HELEN HAMILTON LEIPER,
Group, History and Economics and Politics, 1907-09.

Cumberland, Md. Prepared by the Misses Kirk's School, Rosemont, Pa.

Herr, Mary Emma, ...*Group, Greek and English,* 1905-09.
Lancaster, Pa. Prepared by the Misses Kirk's School, Rosemont, Pa.

Hibben, Elizabeth Grier, ...*Group, Latin and German,* 1906-09.
Princeton, N. J. Prepared by the Princeton School, Princeton.

Higginson, Mary Hamot,
Group, History and Economics and Politics. 1907-09.
Fall River, Mass. Prepared by the Balliol School, Utica, N. Y.

Hobart, Margaret Jefferys,.......*Group, Greek and Latin,* 1907-09.
New York City. Prepared by the Brearley School, New York City. Holder of the First Matriculation Scholarship for New York and New Jersey, 1907-08.

Hoffman, Margery Elizabeth,..............*Group,* ———, 1907-09.
Portland, Ore. Prepared by Miss Ingol's School, Cambridge, Mass., and by the Lee School, Cambridge.

Holliday, Mary Early,
Group, History and Economics and Politics, 1905-09.
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis, and by Rosemary Hall, Greenwich, Conn.

Hoshino, Ai, ...*Group,* ———, 1908-09.
Tokio, Japan. Prepared by Miss Tsuda's School, Tokio, by the Stevens School, Germantown, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.

Houghteling, Leila,
Group, Economics and Politics and Philosophy, 1907-09.
Winnetka, Ill. Prepared by the Girton School, Winnetka, and by Miss Spence's School, New York City.

Houston, Julia Taylor, ...*Group,* ———, 1908-09.
Pine Bluff, Ark. Prepared by the High School, Pine Bluff, by Elizabeth College, Charlotte, N. C., and by private tuition.

Howard, Julia McHenry,......*Group, English and French,* 1905-09.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, and by private tuition.

Howell, Janet Tucker, ..*Group, Mathematics and Physics,* 1906-09.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1906-08.

Howson, Beatrice, ...*Group,* ———, 1908-09.
Philadelphia. Prepared by the Friends' Central School, Philadelphia.

Howson, Emily Elizabeth, *Group, Mathematics and Physics,* 1906-09.
Philadelphia. Prepared by the Friends' Central School, Philadelphia, and by private tuition.

Hudson, Margaret Elizabeth,....*Group, Latin and French,* 1905-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1905-09.

Hume, Mary, ...*Group,* ———, 1908-09.
Des Moines, Ia. Prepared by the High School, West Des Moines, by Des Moines College, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

Hunter, Frances, ...*Group,* ———, 1908-09.
Saugerties, N. Y. Prepared by the High School, Saugerties, and by the Misses Graham's School, New York City.

Irey, Helen Chrisman, ...*Group, Latin and Mathematics,* 1906-09.
West Chester, Pa. Prepared by the Collegiate Institute for Girls, Philadelphia, and by the Misses Shipley's School, Bryn Mawr, Pa.

IRVINE, MARY AGNES,.....*Group, Mathematics and Physics*, 1906-09.
Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

IRWIN, AGNES MILLER,..........*Group, Latin and German*, 1906-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1906-09.

JACOBS, SARAH,..*Group, History and Economics and Politics*, 1905-09.
Harrisburg, Pa. Prepared by Miss Sergeant and Miss Bent's School, Harrisburg.

JAMES, LILLIE, ...*Group, Greek and English*, 1906-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-09.

JOHNSTON, ELIZABETH HENRIETTA,
Group, Mathematics and ———, 1908-09.
Carlisle, Pa. Prepared by the High School, East Orange, N. J., and by Metzger College, Carlisle.

JONES, GLADYS, ...*Group*, ———, 1908-09.
Hazleton, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

JONES, VIRGINIA, ...*Group, German and French*, 1907-09.
Allegheny, Pa. Prepared by the High School, Allegheny, and by Miss Gleim's School, Pittsburgh, Pa.

JURIST, HELEN STIEGLITZ,......*Group, English and German*, 1905-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition.

JUSTICE, CAROLINE LETCHWORTH
Group, Mathematics and Physics, 1907-09.
Narberth, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Holder of the Trustees' Lower Merion High School Scholarship, 1907-09.

KEILLER, VIOLET HANNAH,....*Group, Chemistry and Biology*, 1906-09.
Narberth, Pa. Prepared by the Central High School, Washington, D. C., by the Misses Shipley's School, Bryn Mawr, Pa., and by Miss Sayward's School, Overbrook, Philadelphia.

KELLEY, KATHARINE MILDRED, ...*Group, German and French*, 1907-09.
Cleveland, O. Prepared by the Central High School, Cleveland. Western Reserve University, 1905-07.

KELLEY, OLIVE MINARD,......*Group, Latin and French*, 1905, 1905-09.
Port Jervis, N. Y. Prepared by the High School, Port Jervis, and by the Misses Shipley's School, Bryn Mawr, Pa.

KENISON, LUCIE, ...*Group*, ———, 1908-09.
Galveston, Tex. Prepared by the Baldwin School, Bryn Mawr, Pa.

KERR, JEANNE BENEDICT, ...*Group*, ———, 1906-09.
New York City. Prepared by Miss Spence's School, New York City.

KILNER, MARY, ...*Group, Physics and Biology*, 1908-09.
New York City. Prepared by the Misses Rayson's School, New York City, and by the Brearley School, New York City. Holder of the Second Matriculation Scholarship for New York, New Jersey and Delaware, 1907-08.

KIRK, MARION SHELMIRE,........*Group, Latin and German*, 1906-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-09; Holder of Maria Hopper Scholarship, 1907-08.

LABOLD, LEONA SOPHIE,..........*Group, English and French*, 1905-09.
Portsmouth, O. Prepared by Miss Mary E. Stevens, Germantown, Philadelphia.

Ladd, Mary Ethel, ... *Group, Greek and Latin*, 1906-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-09. Holder of the Mary E. Stevens Scholarship, 1908-09.

Lamb, Louise Emerson, ... *Group*, ———, 1908-09.

Baltimore, Md. Prepared by Ecole Vinet, Lausanne, Switzerland, and by the Bryn Mawr School, Baltimore.

Laser, Lillian J., ... *Group, English and German*, 1905-09.

Hot Springs, Ark. Prepared by the High School, Hot Springs, and by private tuition.

Lautz, Helen Sophia, ... *Group*, ———, 1908-09.

Pekin, Ill. Prepared by the High School, Pekin, and by the Misses Shipley's School, Bryn Mawr, Pa.

Layton, Margaret Hammond,
Group, Latin and Mathematics, 1907-09.

Monroe, La. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private study.

Lehman, Lois Partridge, ... *Group*, ———, 1907-08, 1909.

Redlands, Cal. Prepared by the High School, Redlands. Smith College, 1906-07.

Leopold, Florence Stein, ... *Group*, ———, 1908-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

Lewis, Rebecca Renshaw, ... *Group*, ———, 1908-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908-09.

Liddell, Katharine Forbes, ... *Group, English and French*, 1906-09.

Charlotte, N. C. Prepared by the Calhoun-Chamberlain School, Montgomery, Ala. Holder of James E. Rhoads Junior Scholarship, 1908-09.

Lit,* Juliet Ephraim........ *Group, English and Philosophy*, 1906-09.

Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia, by Miss Child's College Preparatory Classes, Philadelphia, and by private tuition.

Llewellyn, Gertrude, ... *Group*, ———, 1908-09.

Evanston, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Baldwin School, Bryn Mawr, Pa.

Loeb, Florence May, ... *Group, German and French*, 1908-09.

Paducah, Ky. Prepared by the Girls' Classical School, Indianapolis, and by Miss Brown's Classical School for Girls, Boston, Mass.

Longwell, Katherine Cavenagh, ... *Group*, ———, 1908-09.

Pittsburgh, Pa. Prepared by Frankby House School, Hoylake, England, and by Miss Gleim's School, Pittsburgh.

Lucas, Leonora, ... *Group, German and French*, 1908-09.

Evanston, Ill. Prepared by the Academy of the University of Illinois. University of Illinois, 1905-06.

Magoffin, Henrietta Floyd, ... *Group, Latin and* ———, 1907-09.

Mercer, Pa. Prepared by the High School, and by the Academy, Mercer.

Marsh, Helen Elizabeth, ... *Group, Latin and German*, 1908-09.

Brooklyn, New York City. Prepared by the Friends' Seminary, New York City, and by private tuition.

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*Mrs. David J. Stern, 1908.

MARSH, ROSE GUTHRIE,
Group, History and Economics and Politics, 1905, 1905-09.

Pittsburgh, Pa. Prepared by the Alinda Preparatory School, Pittsburgh, by Miss Brown's School, Yonkers, N. Y., and by Miss Mary E. Stevens, Germantown, Philadelphia.

MARSHALL, RACHEL, ... *Group, English and French*, 1908-09.

Lincoln, Kans. Kansas State University, 1906-08.

MASON, ROSALIND FAY, ... *Group, English and French*, 1907-09.

Chicago, Ill. Prepared by the University School for Girls, Chicago.

MATTSON, ETHEL, ... *Group, Chemistry and Biology*, 1905-09.

Omaha, Neb. Prepared by the Moorestown Friends' Academy, Moorestown, N. J., and by the Misses Shipley's School, Bryn Mawr, Pa.

MCKELVEY, MARY ALICE, ... *Group*, ———, 1908-09.

New York City. Prepared by the Brearley School, New York City.

MEAD, MARION LORAINE, ... *Group*, ———, 1908-09.

Evanston, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Baldwin School, Bryn Mawr, Pa.

MEARKLE, EDITH, ... *Group*, ———, 1908-09.

Minneapolis, Minn. Prepared by the Central High School, Minneapolis.

MERRILL, LOUISE EDGERTON... *Group, Latin and Mathematics*, 1906-09.

New Rochelle, N. Y. Prepared by Miss Cooper's School, Albany, N. Y., by the Brearley School, New York City, and by private tuition.

MEYER, ELSE, ... *Group*, ———, 1908-09.

New Orleans, La. Prepared by private tuition.

MILLER, DOROTHY ELIZABETH,
Group, History and Economics and Politics, 1905-09.

Burlington, Mass. Prepared by St. Mary's School, Concord, N. H., and by the Misses Shipley's School, Bryn Mawr, Pa.

MILLER, LAURA ISABELLE,
Group, History and Economics and Politics, 1907-09.

Milwaukee, Wis. Prepared by Milwaukee-Downer College, and by the Baldwin School, Bryn Mawr, Pa.

MILTENBERGER, EUGENIA BLOW,
Group, History and Economics and Politics, 1905-09.

Ferguson, Mo. Prepared by Mary Institute, St. Louis, Mo. Holder of the Elizabeth Duane Gillespie Scholarship in American History, 1908-09.

MINOR, CAROLINE, ... *Group, Latin and English*, 1905-09.

Richmond, Va. Prepared by Miss Ellett's School, Richmond. Holder of Special Scholarship, 1907-08.

MITCHELL, BEULAH MARGARET,
Group, History and Economics and Politics, 1908-09.

Chattanooga, Tenn. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

MITCHELL, PEARL BORING, ... *Group*, ———, 1908-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the Minnie Murdoch Kendrick Memorial Scholarship, 1908-09.

MOCK, EURANA DINKEY,
Group, History and Economics and Politics, 1908, 1908-09.

St. Davids, Pa. Prepared by Brantwood Hall, Lawrence Park, N. Y., and by the Misses Shipley's School, Bryn Mawr, Pa.

Montgomery, Hazel Margaret, ...*Group*, ———, 1908-09.
New York City. Prepared by the Misses Kirk's School, Bryn Mawr, Pa., by the Brearley School, New York City, and by private tuition.

Moore, Elsie, ...*Group, Mathematics and* ———, 1907-09.
Danville, Pa. Prepared by the High School, Danville, and by private tuition.

Moore, Marianne Craig,
Group, History and Economics and Politics, 1905-09.
Carlisle, Pa. Prepared by the Metzger Institute, Carlisle.

Morgan, Marguerite Broades,
Group, Latin and German, 1905-08, 1909.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore.

Morgan, Mary Alden, ...*Group*, ———, 1908-09.
Chicago, Ill. Prepared by the University High School, Chicago, and by private tuition.

Morrow, Agnes Elizabeth, ...*Group*, ———, 1908-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

Munn, Aristine Pixley, ...*Group, Latin and French*, 1905-09.
New York City. Prepared by the Brearley School, New York City, by Miss Florence Baldwin's School, Bryn Mawr, Pa., and by private tuition.

Murphy, Edith Hamilton, ...*Group, Latin and English*, 1906-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia, and by Miss Hills's School for Girls, Philadelphia.

Murray, Agnes Laurence, ...*Group, French and Spanish*, 1907-09.
Delhi, N. Y. Prepared by St. Agnes School, Albany, N. Y. Holder of Maria Hopper Sophomore Scholarship, 1908-09.

Mygatt, Tracy Dickinson,......*Group, Latin and English*, 1904-09.
New York City. Prepared by the Misses Graham's School, New York City, and by private tuition.

Nearing, Dorothy, ...*Group, Mathematics and Chemistry*, 1906-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-09.

Nearing, Mary Frances, ...*Group, Greek and English*, 1905-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the Second Matriculation Scholarship for Pennsylvania and the Southern States, 1905-06; Holder of Trustees' Philadelphia Girls' High School Scholarship, 1905-09.

North, Dorothy, *Group, History and Economics and Politics*, 1905-09.
Chicago, Ill. Prepared by Miss Florence Baldwin's School, Bryn Mawr, Pa.

Parker, Alpine Bodine,
Group, History and Economics and Politics, 1907-08.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Foundation Scholarship, 1907-09.

Parkhurst, Helen Huss, ...*Group, Greek and Latin*, 1907-09.
Englewood, N. J. Prepared by the Dwight School, Englewood.

Peck, Margaret Winthrop ....*Group*, ———, 1908-09.
Bristol, Conn. Prepared by the High School, Bristol, and by the Baldwin School, Bryn Mawr, Pa.

Peirce, Mary, ...*Group*, ———, 1908-09.
Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by the Agnes Irwin School, Philadelphia.

PINNEY, ELIZABETH, ...*Group*, ———, 1908-09.
New Brighton, Staten Island. Prepared by the Brearley School, New York City.

PLATT, ANNA ESTELLE, ...*Group, Mathematics and Physics*, 1905-09.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

POND, MILLICENT, ...*Group, Mathematics and* ———, 1907-09.
State College, Pa. Prepared by private tuition. State College, 1905-07.

PORTER, FRANCES, ...*Group*, ———, 1907-09.
Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill.

POTTBERG, ELLEN ESTHER, ..*Group, Latin and Mathematics*, 1907-09.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1907-09.

POTTER, GENEVIEVE, *Hearer by Courtesy in History of Art*, 1908-09.
Philadelphia. Assistant in the Comptroller's Office, Bryn Mawr College, 1907-09.

PRESSINGER, MILDRED, ...*Group, Greek and Philosophy*, 1905-09.
New York City. Prepared by the Veltin School, New York City.

PRESTON, MARGARET JUNKIN, *Group, English and German*, 1908-09.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908-09.

PRUSSING, MARGARET ALICE,..*Group, English and Philosophy*, 1907-09.
Chicago, Ill. Prepared by the Chicago Latin School, Chicago.

PUTNAM, MAY, *Group, History and Economics and Politics*, 1905-09.
New York City. Prepared by the Brearley School, New York City.

PUTNAM, SHIRLEY, *Group, English and Italian and Spanish*, 1905-09.
Washington, D. C. Prepared by Miss Ingol's School, Cambridge, Mass.

PYFER,* ISABELLA MAY,
Group, German and French, 1904-06, 1908, 1908-09.
Norristown, Pa. Prepared by the Berlitz School and by private tuition.

RAMSEY, HELEN MARGUERITE,
Group, History and Economics and Politics, 1907-08.
Rosemont, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

RAND, MARY CELINE,.........*Group, German and French*, 1905-09.
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis, and by Miss Spence's School, New York City.

REICHENBACH, LUCIE VAUGHAN,....*Group, Latin and French*, 1906-09.
Huntington, Ind. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

RHODES, LUCRETIA,
Hearer by Courtesy in English and History of Art, 1908-09.
Danville, Pa. Trained Nurse, Bryn Mawr College, 1908-09.

RICE, PHYLLIS, ...*Group, English and* ———, 1907-09.
Lynn, Mass. Prepared by Miss Hazard's School, Boston, Mass., and by the Misses Shipley's School, Bryn Mawr, Pa.

RICHARDSON, ETHEL LOUISE,......*Group, Latin and English*, 1907-09.
Philadelphia. Prepared by the High School, Colorado Springs, Colo., by the High School, Pasadena, Cal., and by private tuition.

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*Mrs. Howard F. Pyfer.

Riggs, Henrietta Sanford,
Group, History and Economics and Politics, 1906-09.

Washington, D. C. Prepared by the Friends' School, Washington, and by private tuition.

Roberts, Ruth, *Group, History and Economics and Politics*, 1907-09.

Decatur, Ill. Prepared by the High School, Decatur, and by the Misses Shipley's School, Bryn Mawr, Pa.

Robinson, Leone, *Group, History and Economics and Politics*, 1905-09.

St. Louis, Mo. Prepared by the High School, St. Louis.

Rogers, Isabel Mitchell, ...*Group*, ———, 1907-09.

Yonkers, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

Root, Mary Longaker, ...*Group, Latin and Mathematics*, 1906-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-09.

Ross, Elizabeth, ...*Group, Latin and English*, 1905-09.

Haverford, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Holder of Lower Merion High School Scholarship, 1905-06.

Ross, Elizabeth, ...*Group, Mathematics and Geology*, 1907-09.

Cleveland, O. Prepared by the Central High School, Cleveland.

Ross, Josephine, *Group, History and Economics and Politics*, 1906-09.

Haverford, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

Rotan, Katherine Livingston,
Group, Chemistry and Biology, 1906-09.

Waco, Tex. Prepared by Rosemary Hall, Greenwich, Conn.

Rumrill, Helen Du Bois, ..*Group, Latin and Mathematics*, 1905-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1905-09.

Runyon, Henrietta Bronson, ...*Group*, ———, 1908-09.

Richmond, Va. Prepared by Miss Ellett's School, Richmond.

Russell, Louise Sternberg, ...*Group, German and French*, 1907-09.

Cooperstown, N. Y. Prepared by the Balliol School, Utica, N. Y.

Ryan, Mary Catherine ......*Group, Latin and German*, 1905-09.

Rosemont, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

Sampson, Anne Russell, ...*Group*, ———, 1907-09.

Charlottesville, Va. Prepared by the Bryn Mawr School, Baltimore, Md., by the Baldwin School, Bryn Mawr, Pa., by the Westminster School, Richmond, Va., and by private tuition.

Schamberg, Hermine Rice, ...*Group*, ———, 1907-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia, and by private tuition.

Schram, Hilpa Serena,
Group, History and Economics and Politics, 1907-09.

Columbia, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

Scott, Helen Townsend, ...*Group, Greek and English*, 1905-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Scott, Marion Sturges, ...*Group*, ———, 1907-09.

Chicago, Ill. Prepared by the Girls' Latin School, Chicago, and by Rosemary Hall, Greenwich, Conn.

SCRIBNER, MARY E. ....*Group*, ———, 1908-09.

Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by Rosemary Hall, Greenwich, Conn.

SCRIPTURE, WINIFRED, ...*Group*, ———, 1908-09.

New York City. Prepared by Luisen Schule, Berlin, and by Siebertsche Institut, Munich, Germany, and by Chappaqua Mountain Institute, Chappaqua, N. Y.

SEEDS, IOLA MERLE. ....*Group, French and Spanish*, 1907-09.

Germantown, Philadelphia. Prepared by the Friends' School, Germantown.

SEELY, EVELYN ELIZABETH, ...*Group, Latin and German*, 1907-09.

Brockport, N. Y. Prepared by the State Normal School, Brockport. Mt. Holyoke College, 1906-07.

SHARMON, LOU MAY, ...*Group, Mathematics and Physics*, 1908-09.

Reading, Pa. Prepared by the Girls' High School, Reading.

SHARP, HENRIETTA WOGAN, ..*Group, English and Philosophy*, 1906-09.

Newville, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

SHAW, KATHARINE LYDIA,....................*Group*, ———, 1908-09.

Glenshaw, Pa. Prepared by Preparatory School of Pennsylvania College, by Miss Gleim's School, Pittsburgh, and by private tuition.

SHEARER, MARGARET JULIET,......*Group, Greek and English*, 1906-09.

New York City. Prepared by the Merrill-Van Laer School, New York City, and by the Brearley School, New York City.

SHELDON, MARTHA, ...*Group*, ———, 1908-09.

Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

SHIPLEY, MARY BOYD, ...*Group, Latin and French*, 1906-09.

Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Holder of Foundation Scholarship, 1906-09.

SHIPPEN, ELLEN FRANCIS, ...*Group, Latin and English*, 1905-09.

Hoboken, N. J. Prepared by the Comstock School, New York City.

SHLOSS, IRMA BRONETTE, ...*Group*, ———, 1908-09.

Des Moines, Ia. Prepared by the High School, West Des Moines.

SIMONDS, CHARLOTTE VICTORINE,
Group, Mathematics and Physics, 1905-09.

New York City. Prepared by the Brearley School, New York City. Holder of the Second Matriculation Scholarship for New York, New Jersey, and Delaware, 1906-07.

SKINNER, MARY ELIZABETH, ...*Group, Greek and Latin*, 1907-09.

Lincoln, Neb. University of Nebraska, 1904-07.

SKINNER, MYRA CHILD, ...*Group, Greek and German*, 1907-09.

Lincoln, Neb. University of Nebraska, 1904-07.

SMITH, DOROTHY INGALLS,
Group, History and Economics and Politics, 1905-09.

Chicago, Ill. Prepared by Ascham Hall, Chicago. Holder of the Second Matriculation Scholarship for the Western States, 1905-06.

SMITH, HILDA WORTHINGTON,
Group, Economics and Politics and Philosophy, 1906-09.

West Park, N. Y. Prepared by the Veltin School, New York City.

SMITH, MARGERY, *Group, History and Economics and Politics,* 1907-09.
Balston Spa, N. Y. Prepared by the Bennett School, Irvington-on-Hudson, N. Y.

SOULE,* JUDITH B.,
Hearer by Courtesy in History, Philosophy, and Archæology, 1908-09.
Brookline, Mass.

SOUTHWICK, JEAN FRANCES, ...*Group,* ———, 1908-09.
Brooklyn, New York City. Prepared by Packer Collegiate Institute, Brooklyn.

SPOFFORD, BARBARA,
Group, Economics and Politics and Philosophy, 1905-09.
Norfolk, Conn. Prepared by private tuition.

SPRAGUESMITH, HILDA,
Group, History and Economics and Politics, 1905-09.
New York City. Prepared by the Veltin School, New York City.

SPRY, GLADYS, ...*Group,* ———, 1908-09.
Evanston, Ill. Prepared by the High School, Evanston. Northwestern University, 1907-08.

STEARNS, ALICE ANITA,
Group, History and Economics and Politics, 1907-09.
New York City. Prepared by the Veltin School, New York City.

STEARNS, ANNA, ...*Group, Latin and French,* 1907-09.
Nashua, N. H. Prepared by the High School, Nashua, and by private tuition.

STECHER, LORLE IDA,...........*Group, English and German,* 1908-09.
Philadelphia. Prepared by the Manual Training High School, Indianapolis, Ind., and by the Girls' High School, Philadelphia. Holder of City Scholarship, 1908-09.

STEVENS, ALTA CORNELIA,
Group, History and Economics and Politics, 1905-09.
Chicago, Ill. Prepared by Rosemary Hall, Greenwich, Conn.

STEVENS, CYNTHIA JARDEN, ...*Group,* ———, 1908-09.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

STEWART,† FRANCES MORROW, ...*Group, Latin and French,* 1906-09.
Cincinnati, O. Prepared by Miss Butler's School for Girls, Cincinnati. Holder of the First Matriculation Scholarship for the Western States, 1905-06.

STIRLING, JEAN WEDDERBURN,................*Group,* ———, 1908-09.
Chicago, Ill. Prepared by the Dearborn Seminary, Chicago, and by the University High School, Chicago. Holder of Second Bryn Mawr Matriculation Scholarship for the Western States, 1908-09.

STORER, FRANCES LOUISE,
Group, History and Economics and Politics, 1906-08, 1909.
Toledo, O. Prepared by the High School, Champaign, and by private tuition. University of Illinois, 1905-06.

STOUT, GLADYS,
Group, Economics and Politics and Philosophy, 1905-09.
New York City. Prepared by the Misses Rayson's School, New York City.

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*Mrs. Winsor Soule. † Mrs. Goodrich Barbour Rhodes, 1909.

STRATTON, ALICE, ...*Group*, ———, 1908-09.

Philadelphia. Prepared by the Bardwell School, Philadelphia, and by Miss Hills's School, Philadelphia.

STURDEVANT, WINIFRED,
Group, German and French, 1901-02, 1903-05, 1908-09.

Cragsmoor, N. Y. Prepared by Miss Wheeler's School, Providence, R. I. Student, College of Agriculture, Cornell University, 1905-07.

SWIFT, ELISABETH,
Group, History and Economics and Politics, 1906-09.

New York City. Prepared by the Brearley School, New York City.

TABER, IZETTE, *Group, History and Economics and Politics*, 1906-09.

Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

TAFT, HELEN HERRON, ...*Group*, ———, 1908-09.

Washington, D. C. Prepared by the National Cathedral School, Washington, and by the Baldwin School, Bryn Mawr, Pa. Holder of First Matriculation Scholarship for Pennsylvania and the Southern States, 1908-09.

TANNER, RUTH FRANCES, ...*Group*, ———, 1907-09.

Washington, D. C. Prepared by the Holton-Arms School, Washington.

TAPPAN, ELIZABETH, ...*Group, Greek and Latin*, 1906-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1906-08.

TAYLOR, ELIZABETH WILLIS, ...*Group*, ———, 1907-09.

New York City. Prepared by Miss Spence's School, New York City.

TAYLOR, MARY MINOR WATSON,
Group, Mathematics and Physics, 1907-09.

Richmond, Va. Prepared by Miss Morris's School, Richmond, and by private tuition.

TENNEY, ELIZABETH LOUISE,
Group, History and Economics and Politics, 1906-09.

Chicago, Ill. Prepared by the University High School, Chicago. University of Chicago, 1905-06.

TERRY, CATHERINE LOUISE, ...*Group*, ———, 1908-09.

New York City. Prepared by the Veltin School, New York City.

THACKRAY, MARGARET, ...*Group*, ———, 1909.

Johnstown, Pa. Prepared by the High School, Johnstown.

THAYER, DOROTHY,
Group, History and Economics and Politics, 1907-09.

New York City. Prepared by the Veltin School, New York City.

THOMAS, ETHEL MARIAN, ...*Group*, ———, 1908-09.

Philadelphia. Prepared by the Philadelphia Collegiate Institute, by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

THOMPSON, CATHERINE REICHENBACH, ...*Group*, ———, 1908-09.

Pittsburgh, Pa. Prepared by the High School, Pittsburgh, and by Dilworth Hall, Pittsburgh.

THOMPSON, ELIZABETH, ...*Group, Latin and French*, 1903-09.

Tacoma, O. Prepared by Miss Case and Miss Child's Schoool, Philadelphia. Hearer, Bryn Mawr College, First Semester, 1903-04.

THOMPSON, MARJORIE LA MONTE, ...*Group*, ———, 1908-09.

Philadelphia. Prepared by Miss Gordon's School, Philadelphia.

TREDWAY, HELEN, ...*Group, Mathematics and Physics*, 1907-09.
Dubuque, Ia. Prepared by the High School, Dubuque. Holder of the Second Matriculation Scholarship for the Western States, 1907-08.

VAN SCHAACK, ALBIONE LIBBY,
Group, History and Economics and Politics, 1906-09.
Chicago, Ill. Prepared by the Girton School, Winnetka, Ill.

VAN WAGENEN, MARY LACY,
Group, History and Economics and Politics, 1905-09.
Orange, N. J. Prepared by Miss Florence Baldwin's School, Bryn Mawr, Pa., and by private tuition.

VENNER, GERTRUDE AMY, ...*Group*, ———, 1908-09.
New York City. Prepared by the Veltin School, New York City.

VENNUM, MARY DURHAM, ...*Group*, ———, 1908-09.
Onarga, Ill. Prepared by Grand Prairie Seminary, Onarga, by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.

VINCENT, ISABEL DARLINGTON, ...*Group*, ———, 1908-09.
Chicago, Ill. Prepared by the University High School, Chicago.

WADE, RUTH ANITA, ...*Group, Greek and Latin*, 1906-09.
Helena, Mont. Prepared by the High School, Helena. University of Chicago, 1904-06. Holder of James E. Rhoads Sophomore Scholarship, 1907-08.

WALKER, AMY MOREHEAD,
Group, Economics and Politics and Philosophy, 1907-09.
Chicago, Ill. Prepared by the Girls' Latin School, Chicago.

WALKER, ESTHER,
Group, History and Economics and Politics, 1906-09.
Albany, N. Y. Prepared by the Fenimore Cooper School for Girls, Albany.

WALTER, MAJORIE FANNIE, ...*Group*, ———, 1908-09.
New York City. Prepared by St. Mary's School, New York City, and by private tuition.

WALTON, ANNE GARRETT, *Group, Latin and English*, 1904-05, 1906-09.
Media, Pa. Prepared by the Westtown Boarding School, Westtown, Pa., and by private tuition. Holder of Foundation Scholarship, and of Maria Hopper Scholarship, 1906-07. Holder of Foundation Scholarship and James E. Rhoads Junior Scholarship, 1907-08.

WARE, CLARA CROSBY,
Group, History and Economics and Politics, 1906-09.
Hingham, Mass. Prepared by the High School, Hingham, and by private tuition.

WARNER, MARGARET DOUGLAS, ...*Group*, ———, 1908-09.
Washington, D. C. Prepared by the Holton Arms School, Washington.

WATSON, LOUISE, ...*Group*, ———, 1908-09.
Portsmouth, Va. Prepared by the Baldwin School, Bryn Mawr, Pa.

WEBB, CELESTE, *Group, History and Economics and Politics*, 1905-09.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

WELLES, CARLOTTA, ...*Group*, ———, 1908-09.
Paris, France. Prepared by Villa Dupont, Paris, and by the Baldwin School, Bryn Mawr, Pa. Holder of Second Matriculation Scholarship for Pennsylvania and the Southern States, 1907-08.

Wells, Ruth, ...*Group, Greek and English*, 1907-09.

Hanover, N. H. Prepared by the High School, Hanover, N. H.

Wesner, Mary Boyde, ...*Group, Latin and German*, 1906-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-09.

Wesson, Cynthia Maria,
Group, English and Italian and Spanish, 1905-09.

Springfield, Mass. Prepared by Miss Winsor's School, Boston, Mass.

White, Emma Vestine,.....*Group, German and Spanish*, 1905-09.

Philadelphia. Prepared by the Collegiate Institute for Girls, Philadelphia, and by private tuition.

Whitney, Annie Leslie.
Group, History and Economics and Politics, 1905-09.

Milton, Mass. Prepared by the Milton Academy.

Whittemore, Alice, ...*Group, Mathematics and Physics*, 1906-09.

Grand Rapids, Mich. Prepared by St. Timothy's School, Catonsville, Md., and by private tuition.

Wilbur, Constance Caroline, ...*Group*, ———, 1907-09.

Asbury Park, N. J. Prepared by the High School, Asbury Park.

Wilbur, Florence Lenore,
Group, History and Economics and Politics, 1906-09.

Asbury Park, N. J. Prepared by the High School, Asbury Park.

Wildman, Marion Kirk, ...*Group, German and Spanish*, 1906-09.

Norristown, Pa. Prepared by the High School, Norristown, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

Williams, Mary Almira, ...*Group*, ———, 1907-09.

Indianapolis, Ind. Prepared by the Girls' Classical School, Indianapolis, and by the Misses Shipley's School, Bryn Mawr, Pa.

Wilson, Genevieve, ...*Group, Greek and Latin*, 1906-09.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of First (equal) Matriculation Scholarship for Pennsylvania and the Southern States, 1906-07; Holder of City Scholarship, 1906-08.

Witherspoon, Fannie May, ...*Group, Latin and English*, 1904-09.

Meridian, Miss. Prepared by the Misses Kirk's School, Rosemont, Pa., and by private tuition.

Wolff, Dorothy Sybil, ...*Group*, ———, 1908-09.

New York City. Prepared by the Finch School, New York City.

Wood, Agnes Penman,
Group, History and Economics and Politics, 1907-09.

Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

Wood, Florence, *Group, History and Economics and Politics*, 1907-09.

Pittsburgh, Pa. Prepared by the Thurston Preparatory School, East End, Pittsburgh.

Wood, Marnette, ...*Group, Latin and German*, 1905-09.

Hot Springs, Ark. Prepared by the High School, Hot Springs, and by private tuition.

Wooldridge, Grace La Pierre,
Group, History and Economics and Politics, 1905-09.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1905-09.

WORTHINGTON, MARY DOROTHY WHITALL, *Group, Chemistry and Biology,* 1906-09.
New York City. Prepared by the High School, Kensington, London, England.

YARNALL, EMMA, ...*Group, Latin and French,* 1907-09.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore, and by the Friends' Central School, Philadelphia.

SUMMARY OF STUDENTS.

Class of 1909	80	
" " 1910	73	
" " 1911	77	
" " 1912	95	
" " 1913	2	
Hearers.	7	
		334
Resident Fellows	12	
Graduates	70	
		82
European Fellows		4
Total		420

BRYN MAWR COLLEGE.

Introductory Statement.

Bryn Mawr College was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884; and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first program was issued, and the college was opened for instruction in the autumn of 1885.

Admission.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Graduate Students.

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

Fellows and Scholars. The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European traveling fellowships, thirteen resident fellowships and eighteen graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 65 to 68.

Undergraduate Students. Undergraduate students must have fulfilled the requirements for matriculation, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 54 to 63.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers. Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree. They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

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*For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

Examination for Matriculation.

The examination for matriculation must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honorable dismissal from some college or university of acknowledged standing.*

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*The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examinations of the College will be accepted, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The matriculation examination may not be taken in more than two divisions; but, if this rule be observed, candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the College Entrance Examination Board in the fourth week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been also offered in the division which is to be counted) must be offered again, together with a sufficient number of the

The examination for matriculation is open to those also who wish to take it as a test of proficiency in elementary studies, but have no intention of entering the college; and certificates are given to those who are successful in passing the examination.*†

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sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination; in the case of a condition in French or German, however, the entire examination in the language must be taken, unless the condition is in *grammar only*, in which case it may be removed by passing the Bryn Mawr College examination in grammar; and in the case of a condition in English Composition incurred in the Bryn Mawr College examination the entire examination in English, *a* and *b* must be passed in order to remove the condition by passing the College Entrance Examination Board's examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the eight Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

TABLE OF EQUIVALENT EXAMINATIONS.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
Subjects.		*Subjects.*	*Sections.*
Mathematics: *a*, *i* and *ii*,	=	Algebra	2
Mathematics: *c*,	=	Plane Geometry	2
Latin: *l*,	=	Latin Grammar and Prose Composition	1
Latin: *p*,	=	Latin Prose Authors	2
Latin: *q*,	=	Latin Poetry	1
English: *b*,	=	English Grammar	1
English: *a*,	=	English Composition	3
History: *a* or *c* or *d*,	=	Greek and Roman, or English, or American History	1
Physics, or Chemistry, or Botany, or Geography, or Zoology:	=	Science	1
Greek: *f*,	=	Greek Grammar and Composition	1
Greek: *g*,	=	Greek Prose Authors	1
Greek: *h*,	=	Greek Poetry	1
French: *a*, and combined examination (*b* and *c*),	=	French Grammar and Translation	3
German: *a*, and combined examination (*b* and *c*),	=	German Grammar and Translation	3

Examinations for Advanced Standing.

Mathematics: *d*,	=	Solid Geometry.
Mathematics: *e*,	=	Trigonometry.
No Equivalent	=	Minor Latin.

* Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

† For the eight competitive entrance scholarships, awarded annually, see pages 74 to 75.

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held in the spring, autumn, and winter of every year at Bryn Mawr College, and in the spring of every year may be held at other places; they are always held in the spring at the regular centres: Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond and London (England), and candidates taking examinations at these places are charged a fee of five dollars for the whole or any part of the examination. Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past five years examinations have been held by request at the following places:

California: Berkeley, Pasadena, San Francisco; Colorado: Denver; Connecticut: Greenwich, Washington; District of Columbia: Washington; Georgia: Savannah; Indiana: Indianapolis; Iowa: Dubuque; Kentucky: Louisville; Massachusetts: Cambridge, Fall River; Michigan: Detroit; Minnesota: Minneapolis; Missouri: St. Louis; New Jersey: Trenton; New York: Binghamton, Buffalo, Rochester, Utica; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Carlisle, Harrisburg, Lititz, Pittsburgh, Scranton, Wilkes Barre; Rhode Island: Providence; Wisconsin: Madison; France: Paris; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination at Bryn Mawr College must apply to the Secretary of the College at least two weeks before the date set for the beginning of the examinations and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars, charged for each division of the examination. Candidates who do not apply *two weeks* before the date of the beginning of the examinations will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere than at Bryn Mawr College must apply to the Secretary of the College at least *six weeks* before the date set for the beginning of the examinations. Candidates who fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

Tabular Statement.—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all** of the following subjects, counted as equivalent to twenty sections, must take the examination in not more than two divisions, and must pass not fewer than four sections in the first division and not fewer than fifteen sections in the two divisions. No candidate will be admitted to Bryn Mawr College if conditioned in more than five sections.

Subjects.			*Sections.*
Algebra			2
Plane Geometry			2
Latin Grammar and Prose Composition			1
Latin Prose Authors			2
Latin Poetry			1
English Grammar			1
English Composition			3
History			1
Science			1
Greek Grammar and Prose Composition	1	Two of these three languages	6
Greek Prose Authors	1		
Greek Poetry	1		
German Grammar and Translation	3		
French Grammar and Translation	3		
			20

The number of sections allotted to each subject indicates approximately the time which should be devoted to preparation for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years, since each counts as four sections of the examination; History and Science should be studied for one year, since each counts as one section; and the two languages (Greek and German, or Greek and French, or German and French) should each be studied for three years, since each counts as three sections, or three-twentieths of the examination.

The examination may not be taken in more than two divisions, and in each division the candidate may offer any sections she pleases, provided that, if she offer French or German, she offer in the same division of the examination all the three sections grammar and prose and verse translation.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated. In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

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* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a reasonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within twelve months after the student enters the college, under penalty of exclusion from full college work during the following year. A fee of three dollars is charged for each condition examination except conditions in spelling and punctuation for which the fee is one dollar. Students are not permitted to attend the college courses in subjects in which they have entrance conditions until these conditions have been passed off.

The candidate *may* offer for examination before entrance the remaining language (either French, or German, or Greek,* whichever was not included by the candidate in the above twenty sections), and if this subject is not passed before entrance, the candidate must pass an examination in it before receiving the degree of Bachelor of Arts.†

Candidates desiring to enter with advanced standing *may* offer for examination before entrance trigonometry‡ and solid geometry. These subjects are not necessarily included in the

requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the Bachelor's degree, which represents in every case four years of study in the college classes.

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* Students that have omitted Greek in the examination for matriculation may substitute for the matriculation course in Greek the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections, constituted as follows:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 48, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Livy, *Book xxi.*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin.

B. Horace, *Odes*, except *i*. 25, 27, 33, 36; *ii*. 5: *iii*. 6, 15, 20; *iv*. 1, 10, 13; *Epodes*, except 3, 5, 8, 11, 12, 15, 17; *Carmen Sæculare; Satires i*. 1, 5, 6, 9; *ii*. 6; *Epistles i*. 1, 5, 6, 7, 8, 10, 14, 20.

No substitutions are allowed for any part of the above requirements, except in the case of students entering with advanced standing from other colleges.

There are two examinations, one in Section *A* and one in Section *B*, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the college class, and the other offered for examination without attendance upon the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† If this examination is not passed before the beginning of the student's third year in the college, she must enter the college class in the subject.

‡ For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 48.

Mathematics. *I.* Mathematics.—(1) and (2) Algebra. (3) and (4) Plane Geometry.

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential.

In Algebra, C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham), and in Geometry, Phillips and Fisher's *Elements of Geometry* (abridged edition) or Wentworth's *Geometry*, will serve to indicate the preparation required for these examinations.

Latin. *II.* Latin.—(1) Grammar and Composition. (2) and (3) Translation at sight of simple passages in Latin prose. (4) Translation at sight of simple passages in Latin poetry. Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The so-called Roman method of pronunciation as explained in one of the standard Latin grammars is required.

As many schools are introducing the "natural method" as a substitute for thorough grammatical training, attention is called to the fact that special stress is laid on an accurate and ready knowledge of grammatical forms. A knowledge of paradigms and parts of irregular verbs is insisted upon.

History. *III.* History.—(1) The outlines of the History of Greece and Rome; *or* the outlines of the History of England; *or* the outlines of the History of the United States.

Botsford's *History of Greece*, Botsford's *History of Rome*, Andrews's *History of England*, Cheyney's *A Short History of England*, and McLaughlin's *History of the American Nation*, or Adams and Trent's *History of the United States*, will serve to indicate the preparation required.

English. English.—(1) English Grammar. (2), (3) and (4) English Composition. The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English composition consists of a critical composition, and, in addition, in order that the three sections of the examination may not depend solely on this critical paper, of one or two paragraphs in which the candidate is asked to give in descriptive or narrative form the substance of important parts of the required reading.

In 1909 and 1910 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V, Macbeth*, and *The Merchant of Venice;* Milton's *Lycidas, Comus, L'Allegro*, and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Intimations of Immortality, "Three years she grew in sun and shower," The Solitary Reaper, "O Nightingale! thou surely art," "The world is too much with us," "Earth has not anything to show more fair," "It is not to be thought of that the flood";* Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais, Sensitive Plant*, and *To a Skylark;* Keats's *Eve of St. Agnes, Ode to Autumn*, and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Thackeray's *Henry Esmond.*

In 1911 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V, Macbeth*, and *As You Like It;* Milton's *Lycidas, Comus, L'Allegro*, and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Tintern Abbey, "Three years she grew in sun and shower," The Solitary Reaper, "O Nightingale! thou surely art," "The world is too much with us," "Earth has not anything to show more fair," "It is not to be thought of that the flood";* Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais, Sensitive Plant*, and *To a Skylark;* Keats's *Eve of St. Agnes, Ode to Autumn*, and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Thackeray's *Henry Esmond.*

In 1912 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V, Macbeth*, and *The Merchant of Venice;* Milton's *Lycidas, Comus, L'Allegro*, and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Tintern Abbey, "Three years she grew in sun and shower," The Solitary Reaper, "O Nightingale! thou surely art," "The world is too much with us," "Earth has not anything to show more fair," "It is not to be thought of that the flood";* Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais, Sensitive Plant*, and *To a Skylark;* Keats's *Eve of St. Agnes, Ode to Autumn*, and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Thackeray's *Henry Esmond.*

The following books agreed on for the years 1909, 1910, and 1911 by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States, will be accepted in those years as equivalents for the books prescribed for the English examinations of Bryn Mawr College: Chaucer's *Prologue;* Shakespeare's *Henry V, Macbeth*, and *The Merchant of Venice;* Milton's *L'Allegro, Il Penseroso, Lycidas*, and *Comus;* the *Sir Roger de Coverley Papers* in the *Spectator;* Palgrave's *Golden Treasury (first series) Book IV*, with special attention to Wordsworth, Keats, and Shelley; De Quincey's *Joan of Arc* and *The English Mail Coach;* Burke's *Speech on Conciliation with America;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Carlyle's *Essay on Burns;* Ruskin's *Sesame and Lilies;* Tennyson's *Gareth and Lynette, Lancelot and Elaine*, and the *Passing of Arthur.*

In 1912 Coleridge's *Ancient Mariner* must be added to and Milton's *Lycidas* omitted from this list.

The books prescribed for candidates taking the regular examinations for matriculation in any given year are required also of candidates taking the matriculation examination held in January of the year following. Candidates passing off conditions after admission to the college may offer the books prescribed in the examination in which the condition was imposed.

In preparing for this examination special attention should be given to paragraph-structure and sentence-structure. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for this division of the examination.

Science.

Science.—(1) The elements of one of the following sciences: —Physics, *or* Chemistry, *or* Botany, *or* Physiology, *or* Physical Geography.

Carhart and Chute's *Elements of Physics*, or Mann and Twiss's *Physics;* Remsen's *Introduction to the Study of Chemistry* (Briefer Course); Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology;* Hough and Sedgwick's *Elements of Physiology*, or Fitz's *Physiology and Hygiene;* Dryer's *Lessons in Physical Geography*, or Davis and Snyder's *Physical Geography*, will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

IV. Two of the following languages:

Greek.

Greek.—(1) Grammar and Composition. (2) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (3) Translation at sight of passages of average difficulty from Homer. In (2) and (3) due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.

French.—(1) The examination in French is in three divisions, one to test the candidate's knowledge of ordinary grammatical forms, the other two, her power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire*, *craindre*, *paraître*, *partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in that language.

German.

German.—(1) The examination in German is similar to that in French, and tests the candidate's knowledge of ordinary grammatical forms, and ability to read ordinary German at sight.

Studies Leading to the Degree of Bachelor of Arts.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade above that of "passed," that is, the grade of seventy per cent or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaintance with Latin. In the last year before graduation, oral examinations are held to test her ability to read French and German at sight. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years; she must have exercised regularly four hours a week in accordance with the rules of the department of Physical Culture.

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* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the

If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has taken out of the one hundred and twenty to be offered for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year. She will be on probation during these two years and her work will be prescribed by a committee of the Faculty, the object being to enable her to raise the standard of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

No student who, at any time during her course, has received a grade below seventy per cent in as many as one-half of the hours that she has taken will be permitted to hold office in any of the organisations of the College, to take part in entertainments requiring preparation, or to undertake any paid work.

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fourth language, trigonometry, and solid geometry, when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without further examination. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

Required Studies.

*Greek or French or German,** five hours a week for one year, when this subject has not been included in the examination for matriculation. Those students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.†

English, five hours a week for two years.

Philosophy, five hours a week for one year.

Science, five hours a week for one year.

Science, or *History,* or *Economics and Politics,* or *Law,* or *Philosophy,* or *Mathematics,* five hours a week for one year.

Two Major Courses, of five hours a week for two years each, constituting one of the following Groups: any Language with any Language;‡ History with Economics and Politics, or Law; Economics and Politics with Philosophy, or Law; Philosophy with Greek, or English, or Mathematics, or Physics; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology; any Science with any Science.

Free Elective Courses.

Free Elective Courses, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective, without electing the group that includes it, and any courses open as free electives, may be chosen without taking the remainder of the minor course of which they may form a part.

Tabular Statement.

The studies required for a degree may for convenience be tabulated as follows:

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studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination. Since this rule was passed no student who has not fulfilled the requirements as above stated has received a degree.

* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study.

†A student choosing Latin as one of the languages of her Group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or of French, or of German, or of Italian, or of Spanish.

‡ For the purpose of forming a Group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years, as explained on page 119.

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.*
English. [*Two Courses.*]	Philosophy.	Science: Physics, or Chemistry, or Geology, or Biology.	Science, or History, or Economics and Politics, or Law, or Philosophy, or Mathematics.‡	Matriculation French, or Matriculation German, or Matriculation Greek (or Minor Latin).†

Two Major Courses (Five hours a week for Two Years Each).

Constituting any one of the following thirty-nine groups:

I—XX.	XXI.	XXII.	XXIII.
Any Language with any Language§ (Twenty Groups).	History with Economics and Politics.	History with Law	Economics and Politics with Law.
XXIV.	XXV.	XXVI.	XXVII.
Economics and Politics with Philosophy.	Philosophy with Greek.	Philosophy with English.	Philosophy with Mathematics.
XXVIII.	XXIX.	XXX.	XXXI.
Philosophy with Physics.	Mathematics with Greek.	Mathematics with Latin.	Mathematics with Physics.

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[*] The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German; attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the course in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attendance on the college class after the beginning of the junior year.

[†] A student choosing Latin as one of the languages of her group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or of French, or of German, or of Italian, or of Spanish.

[‡] Students electing minor mathematics must also elect trigonometry, two hours for one semester, or offer it for examination before entering these courses. Trigonometry and solid geometry may not be offered for examination without attendance on the college class after the beginning of the junior year.

[§] For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years, as explained on page 119.

XXXII.	XXXIII.	XXXIV—XXXIX.
Mathematics with Chemistry.	Mathematics with Geology.	Any Science with any Science (Six Groups).

Free Elective Courses.

Ten hours a week for one year in any subject, or subjects, the student may elect.

The Group System. All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and a comprehension of it is essential to an understanding of the courses of instruction.

Major Course. In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is marked as a Minor Course. It is required of every candidate for a degree to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English, philosophy, science, (or, if a second year of science be not elected, history, or economics and politics, or law, or philosophy, or mathematics) are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

Required Courses. The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, law, philosophy, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

Post-major Courses.

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

Free Elective Courses.

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being properly included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes.

CLASSICS. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, *or* Classical Art and Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Law, *or* Minor Mathematics). *As a Group*, German and French, *or* German and Italian and Spanish, *or* French and Italian and Spanish. *As Free Electives*, Italian and Spanish, *or* Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy). *As a Group*, Greek and English, *or* Latin and English, *or* English and German, *or* English and French, *or* English and Italian and Spanish, *or* English and Spanish, *or* English and Philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Physics, another Science, (*or* Post-major Mathematics, *or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Law). *As a Group*, Mathematics and Greek. *As Free Electives*, Trigonometry, Post-major Mathematics, and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Chemistry, another Science, (Geology, *or* Biology), *or* Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Trigonometry, Post-major Mathematics, and Post-major Physics, ten hours a week for one year.

HISTORY. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, another Science, (*or* Oriental History, *or* Post-major History, *or* Economics and Politics, *or* Law, *or* Mathematics). *As a Group*, History and Economics and Politics, *or* History and Law. *As Free Electives*, Post-major History and Economics and Politics, ten hours a week for one year.

LAW.* *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, another Science, (*or* History, *or* Economics and Politics, *or* Mathematics). *As a Group*, History and Law, *or* Economics and Politics and Law. *As Free Electives*, Economics and Politics and Oriental History, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Law, *or* Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Post-major Philosophy, ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Law). *As a Group*, English and Philosophy. *As Free Electives*, Post-major Philosophy and French and German, ten hours a week for one year.

PHILOSOPHY (with Economics and Politics, *or* with Mathematics, *or* with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Law). *As a Group*, Philosophy with Economics and Politics, *or* with Mathematics, *or* with Physics. *As Free Electives*, Post-major Philosophy, Trigonometry and Post-major Economics, *or* Mathematics, *or* Physics, ten hours a week for one year.

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* The courses in Law are intermitted in 1909-10.

SCIENCE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Law, *or* Minor Mathematics, *or* Elective Mathematics). *As a Group*, Physics and Chemistry, *or* Physics and Geology, *or* Physics and Biology, *or* Chemistry and Geology, *or* Chemistry and Biology, *or* Geology and Biology. *As Free Electives*, Mathematics and Physics, *or* Chemistry, *or* Geology, *or* Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, *or* Minor Latin, (if not taken as a required study) ten hours a week for one year.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, yet do not wish to elect an historical, economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, Mediæval History. *As a Group*, any Language with any Language, *or* Chemistry and Biology. *As Free Electives*, Modern History, five hours a week for one year, and Post-major History five hours a week for one year.

II. *As above*, but for Mediæval History substitute Minor Economics and Politics, and for Modern History, Major Economics and Politics, and for Post-major History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Physics, *or* Chemistry, *or* Geology, *or* Biology. *As a Group*, any Language with any Language. *As Free Electives*, Major and Post-major Physics *or* Chemistry, *or* Geology, *or* Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics, *or* Elective Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every student is expected to consult the President in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work.

The studies leading to the degree of Bachelor of Arts, may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and essay work in their first and second years in the college because they are required to complete this work before entering the major course in English; again, a student choosing philosophy as one of her major studies must take the general course in philosophy in her first year if she wishes to elect post-major work in philosophy. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the minor course in mathematics and for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work, and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes, and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered before the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. It is impossible for a student to reduce the length of the college course by one year unless she enters with knowledge considerably in advance of that required by the entrance examinations; otherwise the student will not be permitted to undertake the extra work which is too much to be accomplished during the summer vacations. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College, and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and of one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the proposed combination of major and minor subjects must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to a prescribed model, in the office of the Secretary of the College. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

European Traveling Fellowships.

The Bryn Mawr European Fellowship of the value of $500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of $500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of $500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of $700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

Resident Fellowships.

Twelve resident fellowships, of the value of $525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, History or Economics and Politics, Philosophy, Archæology, Mathematics, Physics, Chemistry, and Biology. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

A Research Fellowship in Chemistry of the value of $750 was founded in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The holder is required to reside at Bryn Mawr College for one year and to assist the head of the Department of Chemistry in research work.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care. *Duties of Resident Fellows.*

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

Eighteen Graduate Scholarships, of the value of $200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. ***Resident Graduate Scholarships.***

Ten Graduate Scholarships, of the value of $405 each, were founded in 1909, five for English, Scotch, or Irish women, and five for German women, and are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar. ***Scholarships for British and German Women.***

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. *Duties of Resident Scholars.*

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding the *Applications for Resident Fellowships and Scholarships.*

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*In the case of candidates for the Scholarships open to British and German women applications must be received by April the first. Applications for the scholarships academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

Tuition for Graduate Students.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportion-

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should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A.

*The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 69 are charged in addition to the charge for tuition.

ate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Residence for Graduate Students.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. In other cases the deposit will be forfeited.

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* Rugs and towels must be furnished by the students themselves. Graduate students will, on request, be supplied with rugs.

Summary of Expenses for Graduate Students.

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:

For one hour* a week of lectures	$ 10.00
For two hours a week of lectures	$ 20.00
For three hours a week of lectures	$ 30.00
For four or five hours a week of lectures	$ 40.00
For six or more hours a week of lectures	$ 62.50
Room-rent for the academic year, payable on registration	$ 75.00
Board for the semester payable on registration	$100.00

Students whose fees are not paid within one month of the date fixed are not permitted to continue in residence or in attendance on their classes.

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures	$125.00
Room-rent	$ 75.00
Board	$200.00
Infirmary fee	$ 5.00
Total for tuition, residence, and infirmary care for the academic year	$405.00
Laboratory fees for the academic year	$10 to $36

Tuition for Undergraduate Students.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, irrespective of the number of courses attended or the actual time of attendance, and is payable in advance.† No reduction of this fee can be made on account of absence or for any other reason whatsoever. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

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* See footnote, page 68.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

Residence for Undergraduate Students.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighborhood. The expense of board and residence in the college halls for undergraduate students is three hundred dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred or three hundred and twenty-five dollars. Of this charge two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the College. See page 167 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since every room unnecessarily reserved may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded in the following cases:

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*Rugs and towels must be furnished by the students themselves.

a. If an applicant who is a student of the college gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of May preceding the academic year for which the application is made.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College that she wishes to withdraw her application before the fifteenth of July preceding the academic year for which the application is made.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of December preceding the semester for which the application is made.

In all other cases the deposit will be forfeited to the college.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in such case the deposit cannot be refunded. Every applicant for a room in February will, with the above exceptions, be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, this right being reserved exclusively by the college, no refund being made to the applicant in case the room or suite of rooms thus left vacant are relet. Every student who changes her room is required to pay an extra fee of fifteen dollars.

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*Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

In case of prolonged illness and absence from the college extending over six weeks or more, there will be a proportionate reduction in the charge for board.

Rooms are assigned to the entering class during the summer preceding the academic year for which application is made. No particular room or set of rooms may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about $8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

No charge is made for sending meals to students that are in the infirmaries by the order of the physicians of the college.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at $8.25 a week for graduate and $10.50 a week for undergraduate students.

Students who expect to spend any part of the Christmas or Easter vacations in Bryn Mawr, Philadelphia, or the immediate neighborhood, not in their own homes and not in the college halls of residence, are required to consult the Secretary in regard to the arrangements that they wish to make.

Summary of Expenses for Undergraduate Students.

For undergraduate students the fees are as follows:

Tuition for the academic year, payable October 1st	$200.00
Room-rent for the academic year, payable October 1st	$100.00
or $125, $150, $175, $200, $225, $250, $275, $300, $350, depending on the room or rooms occupied.	
Infirmary fee for the academic year, payable October 1st	$ 5.00
Board for the academic year, payable in equal instalments, October 1st and February 1st	$200.00
Total for tuition, residence and infirmary fee for the academic year with minimum room-rent.	$505.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year	$ 10.00
For laboratory course of four or more hours a week for the academic year	$ 20.00
Graduation fee	$ 20.00

Students whose fees are not paid within one month of the date fixed are not permitted to continue in residence or in attendance on their classes.

Loan Fund.

The Students' Loan Fund of Bryn Mawr College was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnæ Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnæ Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Herbert Seymour Darlington, Villa Nova, Pa.; Miss Mary Taylor Mason, Schoolhouse Lane, Germantown, Philadelphia; Mrs. George Edward Pfahler, Merion, Pa., and Miss Mabel Henszey Austin, Rosemont, Pa. Contributions may be sent to any member of the committee. Application for loans should be made to the Secretary of the committee, and all applications for loans for any given year should be made before April 20th, of the preceding academic year.

Scholarships.

Foundation of Scholarships.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

Scholarships —Eight competitive entrance scholarships, four of the value of $300 and four of the value of $200, were founded by the College in 1896. They are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College, a first scholarship of the value of $300 and a second of the value of $200 being open to candidates from each of the following districts:—(*a*) The New England States; (*b*) New York, New Jersey, and Delaware; (*c*) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (*d*) Pennsylvania and all places not included in (*a*), (*b*), and (*c*). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate; but no one is eligible for the first scholarship who has received more than two conditions in the twenty sections of the examination, and no one is eligible for the second scholarship who has received more than four conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

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* In about one-sixth of the college rooms the rent is $100, making the cost of board, residence, and tuition for undergraduate students $500; but students desiring to apply for rooms at $100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

Eight scholarships for non-resident students of $200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnæ Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of $200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One competitive scholarship of the value of $200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the eight competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of $200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of $400 each, for one year, are open to those graduates of Earlham, Penn, and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Four scholarships of $500 each, renewable for four consecutive years, were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships, two in number, each of the value of $200 for one year, were founded in 1897 by the Alumnæ Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than ten and not more than twenty-two and a half hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than thirty-seven and a half hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have obtained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed $150. The nominating committee consists of the President of Bryn Mawr College, two members of the Academic Council of the College, appointed annually by the Council, the President of the Alumnæ Association of Bryn Mawr College and three other members of the Alumnæ Association appointed by the executive committee of the Alumnæ Association. Applications for the scholarships should be addressed to the Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of $160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this Scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of $200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of $200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of $100 was founded in 1901 in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnæ and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Elizabeth Duane Gillespie Scholarship in American History of the value of $60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

INSTRUCTION.

Libraries.

The college library has been collected within the past twenty-three years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about fifty-seven thousand bound volumes, and ten thousand doctors' dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 86 and 123.

The books needed principally for graduate and research work are shelved in the fourteen seminary libraries and the books on physics, chemistry, geology and biology in the departmental libraries in Dalton Hall adjoining the laboratories in these subjects. The books of reference, sets of periodicals, and proceedings of societies and the main collection of the library are kept in the stack room.

In each of the six halls of residence are collections of from five to six hundred volumes each, consisting of books useful to undergraduate students, not only supplementing their private libraries, but duplicating such books in the general library as are most used. A seventh collection of this character is kept in the main library for the use of non-resident students.

Students may take from the general and departmental libraries for periods of two weeks each, any books except reference books and books reserved for special use. Books in the hall libraries and books reserved for special use may be taken for two hours.

The sum of about five thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, over twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Academy.
Annales Politiques et Littéraires.
Athenæum.
Atlantic Monthly.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.
Bookman.
Bookman (English).
*Book News Monthly.
Book Review Digest.
Bookseller.
*Bryn Mawr Alumnæ Quarterly.
*Bulletin of Bibliography.
*Bulletin of the New York Public Library.
Century.
*Columbia University Quarterly.
Contemporary Review.
Country Life in America.
La Cultura.
Cumulative Book Index.
Deutsche Rundschau.
Dial.
Fortnightly Review.
Forum.
Göttingische gelehrte Anzeigen.
Harper's Monthly Magazine.
Harper's Weekly.
Harvard Graduate's Magazine.
Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.
Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
*Johns Hopkins University, Circulars.
Library Journal.
Library Work.
Mercure de France.
Mind and Body.
*Monthly Bulletin of the Carnegie Library of Pittsburgh.
Münchener allgemeine Zeitung.
Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
Nation.
Neue Rundschau.
Nineteenth Century.
North American Review.
Notes and Queries.
Nuova Antologia.
Outlook.
*Pennsylvania Library Notes.
Preussische Jahrbücher.
Publishers' Weekly.
Punch.
Putnam's Monthly and the Critic.
Quarterly Review.
Reader's Guide to Periodical Literature.
Review of Reviews.
Revue Critique d'Histoire et de Littérature.
Revue de Paris.
Revue des Deux Mondes.
Revue Politique et Littéraire: Revue Bleue.
Saturday Review.
Scribner's Magazine.
Spectator.
Der Türmer.
*Vanderbilt University Quarterly.
Westminster Review.
Die Woche.
World's Work.

Newspapers.

Atlanta Constitution—tri-weekly.
Bryn Mawr Record.
Commoner.
New York Evening Post.
New York Times.
New York Tribune.
Philadelphia Public Ledger.
Sonntagsblatt der N. Y. Staatszeitung.

Art and Archæology.

American Journal of Archæology.
Bulletin de Correspondance Hellénique.
*Bulletin of the Metropolitan Museum of Art, New York.
Burlington Magazine.

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*Presented by the Publishers.

Ephemeris Archaiologike.
Jahrbuch des Kaiserlich deutschen archäologischen Instituts.
Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
Jahreshefte des Osterreichischen archäologischen Institutes in Wien.
Journal of Hellenic Studies.
Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
*Museum of Fine Arts Bulletin, Boston.
Revue Archéologique.
Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
Allgemeines statistisches Archiv.
American Federationist.
American Journal of Sociology.
American Political Science Review.
Annals of the American Academy of Political and Social Science.
Bibliographia Economica Universalis.
*Bulletin of the New York State Department of Labor.
*Bulletin of the University of Wisconsin, Economics and Political Science Series.
Charities.
Columbia Law Review.
Economic Journal.
Economic Review.
Equity Series.
Harvard Law Review.
International Socialist Review.
Jahrbücher für Nationalökonomie u. Statistik.
Johns Hopkins University Studies in Historical and Political Science.
Journal of Political Economy.
Journal of the Royal Statistical Society.
*Pennsylvania Law Review.
Political Science Quarterly.
Publications of the American Economic Association.
Publications of the American Statistical Association.
Quarterly Journal of Economics.
Revue Bibliographique.
*Southern Workman.
*University of Missouri Studies, Social Science Series.
*University of Pennsylvania, Series in Political Economy and Public Law.
Vierteljahrschrift für Philosophie u. Soziologie.
Yale Review.
Zeitschrift für Socialwissenschaft.
Zeitschrift für Volkswirtschaft, Social-politik u. Verwaltung.

Education.

Education.
Educational Review.
Educational Times.
Elementary School Teacher.
Journal of Pedagogy.
Lehrproben und Lehrgänge.
Pedagogical Seminary.
Publications of the Association of Collegiate Alumnæ.
Revue Internationale de l'Enseignement Supérieur.
Revue Universitaire.
School Review.
*University of California Publications, Education.

History.

American Historical Review.
*Bulletin of the University of Wisconsin, History Series.
English Historical Review.
Historische Vierteljahrschrift.
Historische Zeitschrift.
Klio, Beiträge zur alten Geschichte.
Pennsylvania Magazine of History.
Revue des Questions Historiques.
Revue Historique.

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*Presented by the Publishers.

Philology and Literature, Classical.

Archiv für lateinische Lexicographie.
Bulletin Bibliographique et Pédagogique du Musée Belge.
Classical Journal.
Classical Philology.
Classical Quarterly.
Classical Review.
Harvard Studies in Classical Philology.
Hermes.
Mnemosyne.
Le Musée Belge, Revue de Philologie Classique.
Philologische Untersuchungen.
Philologus.
Revue de Philologie.
Revue des Etudes Grecques.
Rheinisches Museum für Philologie.
Rivista di Filologia.
Studi Italiani di Filologia Classica.
Wiener Studien, Zeitschrift für classische Philologie.
Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
Berliner philologische Wochenschrift.
Eranos.
Indogermanische Forschungen.
Journal of Philology.
Memoires de la Société Neo-philologique à Helsingfors.
Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
Transactions of the American Philological Association.
Zeitschrift für das Gymnasialwesen.
Zeitschrift für die österreichischen Gymnasien.
Zeitschrift für vergleichende Literaturgeschichte.
Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
Anglistische Forschungen.
Annales de la Société Jean-Jacques Rousseau.
Archiv für das Studium der neueren Sprachen.
Archivio Glottologico Italiano.
Arkiv for Nordisk Filologi.
Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
Beiträge zur Geschichte der deutschen Sprache und Literatur.
Bonner Beiträge zur Anglistik.
British Society of Franciscan Studies.
Bulletin de la Société des Anciens Textes Français.
Bulletin Hispanique.
Chaucer Society, Publications (Both series).
Deutsche Literaturzeitung.
Dialect notes.
Early English Text Society Publications (Both series).
Englische Studien.
Euphorion.
German American Annals.
Giornale Dantesco.
Giornale Storico della Letteratura Italiana.
Goethe Jahrbuch.
Jahrbuch der deutschen Shakespeare Gesellschaft.
Jahrbuch des Vereins für niederdeutsche Sprachforschung.
Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
Journal of Germanic Philology.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
Literarisches Centralblatt.
Literaturblatt für germanische und romanische Philologie.

Le Maître Phonétique.
Modern Language Notes.
Modern Language Review.
Modern Philology.
Münchener Beiträge zur romanischen und englischen Philologie.
Palaestra.
Poet-lore.
Publications of the Modern Language Association.
Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
Rassegna Bibliografica.
Revue d'Histoire Littéraire de la France.
Revue des Etudes Rabelaisiennes.
Revue Germanique.
Revue Hispanique.
Romania.
Romanische Forschungen.
Schriften der Goethe Gesellschaft.
Scottish Text Society, Publications.
Société des Anciens Textes Français, Publications.
Société des Textes Français Modernes, Publications.
Studi Medievali.
*University of Pennsylvania, Series in Philology and Literature.
*University of Pennsylvania, Series in Romanic Languages and Literature.
Wiener Beiträge zur englischen Philologie.
Zeitschrift für den deutschen Unterricht.
Zeitschrift für deutsche Philologie.
Zeitschrift für deutsches Altertum und deutsche Litteratur.
Zeitschrift für französische Sprache und Litteratur.
Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
Proceedings of the Society of Biblical Archæology.
Recueil d'Archæologie Orientale.
Recueil de Travaux Relatifs à la Philologie et à l'Archéologie Egyptiennes et Assyriennes.
Zeitschrift für Ägyptische Sprache und Altertumskunde.
Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
Année Psychologique.
Archiv für die gesammte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.
Archives de Psychologie.
Archives of Psychology.
British Journal of Psychology.
Bulletin de l'Institut Psychologique.
International Journal of Ethics.
Journal de Psychologie.
Journal für Psychologie und Neurologie.
Journal of Philosophy, Psychology and Scientific Methods.
Mind.
Monist.
Philosophical Magazine.
Philosophical Review.
Psychological Bulletin.
Psychological Review.
Psychological Review; Monograph Supplements.
Psychological Review; Psychological Index.
Psychologische Arbeiten.
Psychologische Studien.
Revue de l'Hypnotisme.
Revue de Metaphysique.
Revue Philosophique.
*University of Pennsylvania, Series in Philosophy.
Vierteljahrsschrift für wissenschaftliche Philosophie.
Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1 abt., Zeitschrift für Psychologie.
Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 2 abt., Zeitschrift für Sinnesphysiologie.

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*Presented by the Publishers.

Religion.

*American Friend.
American Journal of Religious Psychology and Education.
American Journal of Theology.
†Association Monthly.
†Australasian Intercollegian.
*Baptist Missionary Magazine.
†Bible Student and Teacher.
Biblical World.
Bibliotheca Sacra.
*Chicago Seminary Quarterly.
*Deaconess Advocate.
†Deutsche christliche Studenten-Bewegung-Mitteilungen.
†Evangel.
Expositor.
Expository Times.
*Friends' Missionary Advocate.
*Hartford Seminary Record.
Harvard Theological Review.
†Herald of Gospel Liberty.
†Intercollegian.
Journal of Biblical Literature.
Journal of Theological Studies.
†Medical Missionary.
†Missionary Review.
Proceedings of the Society of Biblical Archæology.
*Publications of the American Jewish Historical Society.
†Record of Christian Work.
Religious Education.
Revue Biblique.
*Spirit of Missions.
†Student Movement.
*Woman's Missionary Friend.
†Young Women of Canada.

Science, Biology.

American Journal of Anatomy.
American Journal of Physiology.
American Naturalist.
Anatomischer Anzeiger.
Archiv für Anatomie und Physiologie.
Archiv für die gesammte Physiologie.
Archiv für Entwicklungsmechanik der Organismen.
Archiv für mikroskopische Anatomie.
Archiv für Protistenkunde.
Bibliographia Physiologica.
Biologisches Centralblatt.
Biometrika.
Botanische Zeitung.
Botanisches Centralblatt.
Centralblatt für Physiologie.
Jahrbücher für wissenschaftliche Botanik.
Journal de Physiologie.
Journal of Experimental Zoology.
Journal of Physiology.
Journal of the Academy of Natural Sciences of Philadelphia.
Journal of the Royal Microscopical Society.
Mittheilungen aus der Zoologischen Station zu Neapel.
Proceedings of the Academy of Natural Sciences of Philadelphia.
Quarterly Journal of Microscopical Science.
*University of California Publications, Physiology.
*University of California Publications, Zoology.
*University of Pennsylvania, Contributions from the Botanical Laboratory.
*University of Pennsylvania, Contributions from the Zoological Laboratory.
Zeitschrift für wissenschaftliche Zoologie.
Zoologischer Anzeiger.

Science, General.

American Journal of Science.
Atti della Reale Accademia della Scienze di Torino.
Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.
*Bulletin of the University of Wisconsin, Engineering Series.
*Bulletin of the University of Wisconsin, Science Series.
Comtes Rendus des Séances de l'Académie des Sciences.
*Kansas University, Science Bulletin.
Nature.

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*Presented by the Publishers. †In Christian Union Library.

Philosophical Transactions of the Royal Society of London.
Popular Science Monthly.
Proceedings of the American Philosophical Society.
Proceedings of the Royal Society of London.
Science.
*Technology Review.
*University of Missouri Studies, Science Series.
Verhandlungen der Physikalisch-medicinischen Gesellschaft zu Würzburg.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
Economic Geology.
Geographical Journal.
Geological Magazine.
Geologisches Centralblatt.
Journal of Geography.
Journal of Geology.
Meteorologische Zeitschrift.
Mineralogical Magazine.
Mineralogische und petrographische Mittheilungen.
National Geographic Magazine.
Neues Jahrbuch für Mineralogie, Geologie und Palæontologie.
Philadelphia Geographical Society Bulletin.
Quarterly Journal of the Geological Society.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
American Chemical Journal.
American Journal of Mathematics.
Annalen der Chemie.
Annalen der Physik.
Annales de Chimie et de Physique.
Annales de la Faculté des Sciences de l'Université de Toulouse.
Annales Scientifiques de l'Ecole Normale Supérieure.
Annali di Matematica.
Astrophysical Journal.
Beiblätter zu den Annalen der Physik.
Berichte der Deutschen chemischen Gesellschaft.
Bibliotheca Mathematica.
Bolletino di Bibliografia e Storia della Scienze Matematiche.
Bulletin de la Société Mathématique.
Bulletin des Sciences Mathématiques.
Bulletin of the American Mathematical Society.
Electrician.
Giornale di Matematiche.
Jahrbuch über die Fortschritte der Mathematik.
Jahresbericht der Deutschen Mathematiker Vereinigung.
Jahresbericht über die Fortschritte der Chemie.
Journal de Mathématiques.
Journal de Physique.
Journal für die reine und angewandte Mathematik.
Journal für praktische Chemie.
Journal of the Chemical Society.
Mathematische Annalen.
Messenger of Mathematics.
Monatshefte für Chemie.
Physikalische Zeitschrift.
Proceedings of the London Mathematical Society.
Quarterly Journal of Mathematics.
Rendiconti del Circolo Matematico di Palermo.
Transactions of the American Mathematical Society.
*University of Pennsylvania, Astronomical Series.
*University of Pennsylvania, Series in Mathematics.
Zeitschrift für anorganische Chemie.
Zeitschrift für Elektrochemie.
Zeitschrift für Mathematik und Physik.
Zeitschrift für physikalische Chemie.

The library is open daily from eight A.M. to ten P.M.

There are in Philadelphia the following important libraries which are available for students:

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*Presented by the Publishers.

The *Philadelphia Library Company,* which contains about 226,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, $12 a year, or $10 for nine months.

The *Mercantile Library,* which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, $2.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences,* which contains about 60,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania,* which contains about 285,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia,* which contains about 330-000 volumes and 59,000 pamphlets, and is at all times open to the students for consultation.

The *Library of the College of Physicians of Philadelphia,* which contains 76,000 volumes and 93,000 pamphlets, has a very complete collection of modern publications on psychology and is open to the students for consultation.

Courses of Study.

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, History, Economics and Politics, Philosophy, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Law, Experimental Psychology, Education, History of Art and Classical Archæology, and Meteorology.

Graduate courses are offered in Sanskrit, and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Law, Philosophy, Experimental Psychology, Education, History of Art and Classical Archæology, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, Physiology, and Physiological Chemistry.

Courses in Language and Literature.

The courses in language and literature are meant, first of all, to be complete in themselves, and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Lectures.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; and, therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

Courses of Instruction. The undergraduate and graduate courses offered in the years 1908–09 and 1909–10 are as follows:

Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. Caroline Louise Ransom, Dr. Hans Weyhe, Miss Abby Kirk, and Miss Lily Ross Taylor.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Hans Weyhe, Associate in German.

GRADUATE COURSES.

Graduate Courses. Lectures on Comparative Philology, and Philological Seminary, Dr. Weyhe. *Two hours a week throughout the year.*

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the last few years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit, Dr. Weyhe. *Two hours a week throughout the year.*

Whitney's *Grammar* and Lanman's *Reader* are used.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Advanced Sanskrit, Dr. Weyhe. *One hour a week throughout the year.*

In this course selections from the Rig-Veda are read.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages; Dr. Caroline Louise Ransom, Associate and Associate Professor (elect) in the History of Art and Classical Archæology, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-three hours of lectures and recitations a week apart from courses in Classical Art and Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of under-graduate major and minor work; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and five hours a week of graduate work.

Matriculation Course.

A course of five hours a week throughout the year is provided for those students that wish to study Greek, and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students that wish may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

First Year.

(*Minor Course.*)

(*Given in each year.*)

1st *Semester.*

Major Course.

Plato, *Apology*, *Crito*, Dr. Sanders. *Two hours a week.*

Greek Prose Composition, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1–475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1–728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, Dr. Sanders. *Two hours a week.*

Greek Prose Composition, Dr. Sanders. *One hour a week.*

Homer, *Iliad*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1–1080 and 1218–1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476–961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Demosthenes, Dr. Sanders. *Two hours a week.*

Aristophanes, *Frogs*, Dr. Sanders. *One hour a week.*

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright. *Two hours a week.*

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

Private reading: Æschylus, *Prometheus Vinctus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1–680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus*, ll. 1–436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

2nd Semester.

Thucydides, *Book vii*, Dr. Sanders. *Two hours a week.*

Sophocles, *Œdipus Rex*, Dr. Sanders. *One hour a week.*

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright. *Two hours a week.*

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: Æschylus, *Persæ*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus*, ll. 437–876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

Group: Greek with any language, *or* with Philosophy, *or* with Mathematics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Free elective courses, amounting to five hours a week, are offered in the History of Art and Classical Archæology; see pages 142 to 143.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1908–09 the following post-major courses are offered:

1*st Semester.*

Lucian, Dr. Sanders.	*Two hours a week.*
Sophocles, *Trachiniæ*, Dr. Sanders.	*One hour a week.*

2*nd Semester.*

Melic Poets, Dr. Sanders.	*One hour a week.*
Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing, Dr. Sanders.	*One hour a week.*
Euripides, *Heracles*, Dr. Sanders.	*One hour a week.*

In 1909–10 the following post-major courses are offered:

1*st Semester.*

Æschylus, *Oresteia*, Dr. Sanders.	*Two hours a week.*
Aristophanes, *Acharnians*, *Knights*, Dr. Sanders.	*One hour a week.*

2*nd Semester.*

Pindar, Dr. Sanders.	*Two hours a week.*
Sophocles, *Electra*, Dr. Sanders.	*One hour a week.*

In 1910–11 the following post-major courses are offered:

1st Semester.

Private Orations of the Attic Orators, Dr. Sanders.	*Two hours a week.*
Sophocles, *Antigone*, Dr. Sanders.	*One hour a week.*

2nd Semester.

Æschylus, *Agamemnon*, Dr. Sanders.	*Two hours a week.*
Aristotle, *Poetics*, Bacchylides, Dr. Sanders.	*One hour a week.*

GRADUATE COURSES.

Graduate Courses. Five hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to three hours a week may be elected by graduates. The seminary subjects in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and Menander, the Homeric Question, Plato, and Aristophanes. Students electing the three hour Greek seminary as work for the degree of Doctor of Philosophy are required to take also the two hour seminary given in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. The course in comparative philology conducted by Dr. Weyhe is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see pages 143 to 144.

Greek Seminary, Dr. Sanders. *Three hours a week throughout the year.*

(Given in each year.)

In 1908–09 the subject of the seminary is Attic Tragedy. The special work of the seminary is devoted to the editing of Euripides *Orestes*. Members of the seminary report on special subjects and give critical summaries of current classical literature.

In 1909–10 Greek orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1910–11 the main subject of the seminary will be the Greek Historians. Thucydides will be studied in detail and reports will be made on data of history contained in Greek literature in general. Lectures will be given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

Seminary in Aristophanes, Dr. Wright. *Two hours a week throughout the year.*

(*Given in* 1908–09.)

The aim of the course is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the seminary and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the seminary should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

Seminary in Menander, Dr. Wright.

Two hours a week during the first semester.

(*Given in* 1909–10.)

A thorough study of all the extant fragments of Menander will be made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

Seminary in The Homeric Question, Dr. Wright.

Two hours a week during the second semester.

(*Given in* 1909–10.)

The subject of the seminary is a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics will be taken up and criticised in detail. A reading knowledge of German is essential.

Seminary in Plato, Dr. Wright. *Two hours a week throughout the year.*

(*Given in* 1910–11.)

The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor: a detailed interpretation of a portion of Plato and reports on topics set for discussion are given by the seminary. The students are expected to read the *Republic, Theætetus, Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the seminary is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the seminary. Lutoslawski's *Origin and Growth of Plato's Logic* is studied and criticised in detail.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr.Tenney Frank, Associate Professor of Latin, and Miss Lily Ross Taylor, Reader in Latin. The instruction offered in Latin covers twenty-four hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; eight hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

FIRST YEAR.

(*Minor Course.*)*

1*st Semester.* (*Given in each year.*)

Major Course.

Livy, *Books xxi* and *xxii*, Dr. Wheeler. *Two hours a week*

Latin Prose Composition, Dr. Wheeler. *One hour a week.*

Horace, *Odes*, Dr. Frank. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Stories from Gellius (first half) must be read by students taking the courses in Livy and Latin Prose Composition; Sallust, *Catilina* (first half) must be read by students taking the course in Horace. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

2*nd Semester.*

Cicero, *Letters*, Dr. Wheeler. *Two hours a week.*

Latin Prose Composition, Dr. Wheeler. *One hour a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Stories from Gellius (second half) must be read by students taking the courses in Cicero and Latin Prose Composition; Sallust, *Catilina* (second half) must be read by students taking the course in Horace. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

SECOND YEAR

1*st Semester.* (*Given in each year.*)

Tacitus, *Annals*, Dr. Wheeler. *Three hours a week.*

The reading is devoted chiefly to those parts of *Books i–vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Lectures on Latin Literature, Dr. Frank. *Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts and translations of the most important authors and extensive reading is required.

Private reading: Cicero, *De Senectute* (first half) must be read by students taking the course in Tacitus; Tacitus, *Agricola* (first half) must be read by students taking the course in Latin Literature. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

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* For regulations regarding the passing off of the Minor Latin, see footnote, page 51 Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

2nd Semester.

Latin Comedy, Plautus and Terence, Dr. Wheeler. *Three hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Lectures on Latin Literature (continued), Dr. Frank. *Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Cicero, *De Senectute* (second half) must be read by students taking the course in Latin Comedy; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Literature. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

Group: Latin with any language *or* with Mathematics.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1908–09 and again in 1910–11 the following post-major courses are offered:

1st Semester

Roman Elegy, its Origin and Development, Dr. Wheeler. *Two hours a week.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil. *Three hours a week.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the *Eclogues* and *Pseudo-Vergiliana* are read and discussed.

Pliny, *Letters*, Martial, Dr. Frank. *Two hours a week.*

Special attention is paid to a study of the political and social conditions of the period embraced in the course.

Advanced Latin Prose Composition, Dr. Frank. *One hour a week.*

2nd Semester.

Roman Elegy (continued), Dr. Wheeler. *Two hours a week.*

Roman Prose of the Empire, Dr. Frank. *Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix will be read.

Seneca and Lucan, Dr. Frank. *Two hours a week.*

Three tragedies of Seneca and portions of Lucan's *Pharsalia* will be read.

Advanced Latin Prose Composition (continued), Dr. Frank. *One hour a week.*

In 1909-10 and again in 1911-12 the following post-major courses are offered:

1*st Semester.*

Roman Satire, its Origin and Development, Dr. Wheeler. *Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare at least one paper on an assigned topic in each semester.

Lucretius, Dr. Frank. *Three hours a week.*

The first three books of the *De Rerum Natura* and selections from the remaining books are studied.

Lectures on Roman History, Dr. Frank. *Two hours a week.*

Collateral reading will be assigned from the Latin sources and independent reports on special topics required.

Advanced Latin Prose Composition, Dr. Frank. *One hour a week.*

2*nd Semester.*

Roman Satire (continued), Dr. Wheeler. *Two hours a week.*

Cicero and Cæsar, Dr. Frank. *Three hours a week.*

An effort will be made by means of lectures, discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Catullus and Horace, *Epistles*, Dr. Frank. *Two hours a week.*

In connection with the reading of Horace's *Ars Poetica* special stress will be laid upon his theories of literary criticism.

Advanced Latin Prose Composition (continued), Dr. Frank. *One hour a week.*

GRADUATE COURSES.

Graduate Courses. Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to eight hours a week may be elected by graduates. The graduate work in Latin is conducted according to the seminary method, its object being not only to broaden the student's knowledge, but also to teach methods of work and the handling of materials. The seminary subjects and courses in Latin are varied from year to year in two series, Latin Comedy, Elegy, and Lyric Poetry, and Roman History, Epigraphy, and Literature. Students electing the Latin seminary as part of the work for the degree of Doctor of Philosophy are required to take also the two hour seminary given in the same year, and are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek.

Latin Seminary, Dr. Wheeler.

Three hours a week throughout the year.

In 1908-09 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject will be treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The text recommended is the Oxford Clarendon Press edition of Catullus, Tibullus, and Propertius edited by Ellis, Postgate, and Phillimore, 1906.

In 1909-10 the subject of the seminary will be Latin Comedy. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix (Leipsic, Teubner, 1888-1901), and by Lorenz (Berlin, Weidmann, 1876-86), and the plays of Terence, annotated by Dziatzko (revised by Hauler and Kauer), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended, and *P. Terenti Afri Comoediæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908.

In 1910-11 the subject of the seminary will be the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself will be studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipzig and Berlin, 1908 (Teubner).

Roman Literature, selected topics, Dr. Frank.

Two hours a week throughout the year.

(*Given in* 1908-09.)

The course consists of studies in the beginnings of the Roman epic, tragedy, and prose, special attention being paid to the relation of the literature to historical events and native influences. The students read reports on special subjects assigned to them.

Roman History from the Sources, Dr. Frank.

Two hours a week throughout the year.

(*Given in* 1909-10.)

The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course will consist largely of research work on the part of the student.

Latin Epigraphy and Paleography, Dr. Frank.

Two hours a week throughout the year.

(*Given in* 1910-11.)

About two-thirds of the course will be devoted to the study of the *Corpus Inscriptionum.* The questions assigned for investigation will deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* will be used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

Latin Journal Club, Dr. Wheeler and Dr. Frank.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, M. Lucien Foulet, Dr. Albert Schinz, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Clarence Carroll Clark, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Hans Weyhe, Mr. Samuel Arthur King, Dr. Orie Latham Hatcher, Dr. M. Katherine Jackson, Miss Rose Chamberlin, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Miss Helen Ward, Dr. Clara Leonora Nicolay, and Dr. Lillie Deming Loshe.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Associate Professor of English, Dr. Clarence Carroll Clark, Associate Professor of English, Dr. Carleton Fairchild Brown, Associate Professor of English Philology, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Orie Latham Hatcher, Lecturer in Elizabethan Literature, Dr. M. Katherine Jackson, Lecturer in English Literature, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Miss Helen Ward, and Dr. Lillie Deming Loshe, Readers in English. The instruction offered in English covers forty-nine hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or as a free elective; four courses of free elective work; six hours a week of elective composition; two hours a week of elective courses in elocution, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English.

Required Course.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition and rhetoric is connected with the lectures on literature and language and may not be elected separately.

FIRST YEAR.

(*Given in each year.*)

1st Semester.

Lectures on the history of the English language and Anglo-Saxon literature, with an introduction into the study of early Teutonic literature and mythology, Miss Donnelly. *Three hours a week.*

This course was given in 1908–09 by Dr. Jackson.

The Principles of Articulation, Mr. King. *One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in everyday speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss King, Miss Ward, Dr. Loshe. *One and a half hours a week.*

The lectures on the history of the English language and the course in English composition and rhetoric may not be elected separately. The work in English composition consists of five short papers each week on subjects drawn from the student's personal experience, and one longer paper each fortnight on a subject drawn from the lectures on the history of the English language and literature. In the rhetoric course the principles of English composition are studied and their practice taught in the papers written by the students. A written examination is held on the work in English composition and rhetoric at the end of the semester. Written examinations on the lectures are held from time to time during the semester and credit is given for the style and structure of the papers.

2nd Semester.

Lectures on the history of English literature to the death of Spenser, inclusive, with an introduction into the study of mediæval literature, Miss Donnelly. *Three hours a week.*

This course was given in 1908–09 by Dr. Jackson.

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss King, Miss Ward, Dr. Loshe. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition and rhetoric may not be elected separately. The work of the second semester is divided into two parts. The first part exactly continues the arrangement of the first semester; in the second part the work consists of one short paper each fortnight on a subject drawn from the student's personal experience and two long papers on a subject drawn from the lectures. In the rhetoric course the principles of English composition are studied throughout the semester and their practice taught in the papers written by the students. A written examination on the work in English composition and rhetoric is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and credit is given for the style and structure of the papers.

SECOND YEAR.

(*Given in each year.*)

1st Semester.

Lectures on the history of English literature from the death of Spenser to the Restoration, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly. *Three hours a week.*

This course was given in 1908–09 by Dr. Jackson.

The Sonant Properties of Speech, Mr. King. *One hour a fortnight.*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

English Composition, Miss Donnelly, Miss Fullerton, Dr. Crandall, Miss King, Miss Ward, Dr. Loshe. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The course in English composition consists of one short paper each week on a subject drawn from the student's personal experience, two argumentative papers, and one critical paper on a subject drawn from the lectures on the history of English literature. A written examination on the work in English composition is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers

2nd Semester.

Lectures on the history of English literature from the Restoration to the present time, Miss Donnelly. *Three hours a week.*

This course was given in 1908–09 by Dr. Jackson.

The Sonant Properties of Speech (continued), Mr. King. *One hour a fortnight.*

English Composition, Miss Donnelly, Miss Fullerton, Dr. Crandall, Miss King, Miss Ward, Dr. Loshe. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The work of the semester in English composition consists of one short paper each week on a subject drawn from the student's personal experience, one twenty-four page critical paper on an author chosen by the student with the approval of her instructor, and two shorter so-called imitative papers during the writing of which the principles of imitative writing are discussed in the lectures. A written examination is held on the work at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

Major Course.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to specialise in English. Any of the courses, except the courses in English Drama, in Classical and Romantic Prose, and in Middle English Poetry and Chaucer, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle English Romances or the courses in Middle English Poetry and Chaucer for the course in Classical and Romantic Prose, and the course in Anglo-Saxon for either the course in English Poetry from 1780 to 1832 or the course in English Drama, but all students taking a major course in English must take either the course in Anglo-Saxon or the course in Middle English Romances, or the courses in Middle English Poetry and Chaucer.

First Year.

Minor Course. (Literature.)

English Critics of the Nineteenth Century, Dr. Clark.

Three hours a week throughout the year.

(Given in each year.)

The essayists and critics after 1832 are studied. In the first semester the authors usually chosen are Carlyle, Matthew Arnold, and Newman; in the second semester Ruskin, Pater, and Swinburne are discussed. Short papers and one long essay must be prepared by the students attending the course.

English Poetry from 1780 to 1832, Miss Donnelly.

Two hours a week throughout the year.

(*Given in* 1908–09 *and again in* 1910–11.)

This course consists of a detailed study of the poetry of Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats; special attention is paid to the rise and development of the Romantic movement in English poetry, with occasional reference to similar movements in France and Germany. The course in English Drama or the course in Anglo-Saxon may be substituted for this course if desired.

This course was given in 1908–09 by Dr. Jackson.

Minor Course. (Language.)

Anglo-Saxon, Dr. Brown. *Two hours a week throughout the year.*

(Given in each year.)

The course begins with an outline of Anglo-Saxon grammar as presented in Bright's *Anglo-Saxon Reader*. Selections in prose and verse from Bright's reader are next read with the class. In the second semester after a brief study of alliterative verse selections from *Beowulf* are read. Throughout the year lectures are given outlining the literature of the period and texts are read in translation. The course on English Poetry from 1780 to 1832, or the course on English Drama may be substituted for this course if desired.

Middle English Romances, Dr. Brown.

Three hours a week throughout the year.

(*Given in* 1908–09 *and again in* 1910–11.)

Selected romances are read by the members of the class. The lectures treat the development of romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle. The course in Classical and Romantic Prose or the courses in Middle English Poetry and Chaucer may be substituted for this course if desired.

SECOND YEAR.

(*Literature.*)

Classical and Romantic Prose, Dr. Clark.

Three hours a week throughout the year.

(*Given in each year.*)

In the first semester the writings of Edmund Burke are considered with special reference to Classicism and Romanticism, and to the ideas of the French revolution. In the second semester the works of Lamb, Hazlitt, and De Quincey are studied. This course is open only to those students who have taken the course in English Critics of the Nineteenth Century. The courses in Middle English Poetry and Chaucer, or the course in Middle English Romances may be substituted for this course if desired.

English Drama, Miss Donnelly.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

This course is intended to give students that have completed the required course in English a more intimate knowledge of the later Elizabethan and the Jacobean drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures. This course is open only to those students who are taking the English group. The course in English Poetry from 1780 to 1832, or the course in Anglo-Saxon may be substituted for this course if desired.

(*Language.*)

Middle English Poetry, Dr. Brown.

Three hours a week during the first semester.

(*Given in* 1909–10 *and again in* 1911–12.)

The purpose of the course is to give the student a direct acquaintance with some of the more important pieces of Middle English verse. Selections are read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Laurence Minot, Robert of Brunne's *Handlyng Synne*, and Langland's *Vision of Piers the Plowman. The Owl and the Nightingale* and *Pearl* will be read in full. In connection with the reading of these texts lectures are given on the development of the language and literature during the Middle English period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently. This course is open only to those students who are taking or have taken at least one other course in English in addition to the required courses. The course in Classical and Romantic Prose or the course in Middle English Romances may be substituted for this course and the course on Chaucer if desired.

Chaucer, Dr. Brown.

Three hours a week during the second semester.

(*Given in* 1909-10 *and again in* 1911-12)

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. It is desirable but not essential that this course should be preceded by the course in Middle English Poetry. This course is open only to those students who are taking at least one other course in English in addition to the required courses.

The course in Classical and Romantic Prose or the course in Middle English Romances may be substituted for this course if desired.

Group: English with any language, *or* English with Philosophy.

Free Elective Courses.

Free Elective Courses.

Prose Writers of the Queen Anne Period, Miss Donnelly.

One hour a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

Among the writers studied will be Addison, Steele, Swift, and Bolingbroke. Two short papers will be required in each semester. This course is open only to those students who have attended the first and second year general courses in English literature and have received no grade below that of merit or have received the grade of credit in at least two semesters of these courses.

English Letter Writers, Miss Donnelly. *One hour a week throughout the year.*

(*Given in* 1910–11.)

The more important letter writers of the seventeenth, eighteenth, and nineteenth centuries will be studied and special stress will be laid on their characters, their relation to their times, and their style. The students will be required to write short papers from time to time. This course is open only to those students who have attended the first and second year general courses in English literature and have received no grade below that of merit or have received the grade of credit in at least two semesters of these courses.

English Fiction in the Nineteenth Century, Dr. Clark.

Two hours a week during the first semester.

(*Given in* 1908–09 *and again in* 1910-11.)

The history of the novel up to the nineteenth century is presented briefly. The novels of Jane Austen and Walter Scott are studied as an introduction to the work of the second semester. The course is open only to those students who have completed the two years' required course in English.

English Fiction in the Nineteenth Century (continued), Dr. Clark.

Two hours a week during the second semester.

(*Given in* 1908–09 *and again in* 1910-11.)

The development of fiction is considered in the works of Thackeray, Dickens, Trollope, George Eliot, Mr. Meredith and others. The course is open only to those students who have completed the two years' required course in English.

Victorian Poets, Dr. Clark. *Two hours a week during the first semester.*

(*Given in* 1909-10 *and again in* 1911–12.)

The works of Tennyson, Arnold, Clough, Fitzgerald, and Landor are studied. The course is open only to those students who have completed the two years' required course in English.

Victorian Poets (continued), Dr. Clark.

Two hours a week during the second semester.

(*Given in* 1909-10 *and again in* 1911–12.)

The Pre-Raphaelite movement is considered and the works of Morris, Rossetti, Swinburne, and Browning are studied. The course is open only to those students who have completed the two years' required course in English.

English Versification, Dr. Brown. *One hour a week throughout the year.*

(Given in 1908-09.)

This course consists of an examination of the principles which govern English versification, together with a historical survey of the more important forms of verse, such as alliterative verse, the eight-syllable couplet, the Spenserian stanza, the sonnet, blank verse, the heroic couplet, and the romantic couplet.

The English Ballad, Dr. Brown. *One hour a week throughout the year.*

(Given in 1909-10 *and again in* 1911-12.)

This course is designed as an introduction to the study of popular poetry. Selections from the ballad literature of England and Scotland, representative of various types and periods, are read in class. The lectures illustrate the origins and history of the ballad as developed in English and other literatures, together with a study of various imitations of the genuine ballad. The course is open only to those students who have completed the two years' required course in English.

The Elizabethan Age in Non-dramatic Literature, Dr. Hatcher.

Two hours a week throughout the year.

(Given in 1909-10 *and again in* 1911-12.)

The lectures trace the national and foreign influences creating the first great body of English literature, and show the making of vocabulary, critical theories of prose and poetry, and the development of various types of literature,—epic, pastoral, novel, sonnet, and minor lyric and prose forms. The reading involves the best representatives of each of these types and some acquaintance with the critical literature of the period. The course is open only to those students who have completed the two years' required course in English.

Shakespeare, Dr. Hatcher. *Two hours a week throughout the year.*

(Given in 1910-11.)

The earlier lectures deal with Shakespeare's dramatic environment and development, his sources and models, his types of drama, his habits of plot making, versification, etc. The latter work will concern itself with close study of a small group of the plays. The course is open only to those students who have completed the two years' required course in English.

Descriptive and Narrative Writing, Miss Fullerton.

Two hours a week throughout the year.

(Given in each year.)

Lectures are given on the theory and practice of description and on the style and methods of the best modern writers of short stories, both English and French. Students are required to write papers each week. The course is open to qualified graduate students, to undergraduate students who have completed the two years of required English Composition and have obtained the grade of merit in two semesters or the grade of credit in one semester of the work, and to students that have taken the major course in English literature. It may not be substituted for any other essay course or for any part of the major English course, and no student may take this course at the same time that she is taking another course in English Composition.

Argumentation, Dr. Crandall. *Two hours a week throughout the year.*

(Given in each year.)

In the first semester the course takes up the technique of Argumentation, and in the second semester establishes the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition. The course is open to students who have obtained the grade of merit in two semesters, or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Imitative Writing, Miss King. *Two hours a week throughout the year.*

(*Given in* 1908–09 *and again in* 1910–11.)

This course consists of a study of the formation of style by the method of imitation. The lectures deal with the elements and the psychology of style, and as far as may be necessary, with the authors selected for imitation. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Critical Writing, Miss King. *Two hours a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

Lectures are given on the theory and method of criticism and on the most important kinds of critical writing. Students are required to write papers each week. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

General Reading of Prose Authors, Mr. King.

One hour a week throughout the year.

(*Given in* 1908–09 *and again in* 1910–11.)

This course is open only to those students who have attended the lectures in elocution given in the general course.

Reading of Shakespeare, Mr. King. *One hour a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

This course is open only to those students who have attended the lectures in elocution given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

GRADUATE COURSES.

Graduate Courses.

Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of English, accompanied by the direction of private reading and original research, and the courses are varied from year to year, so that they may be pursued by students through three or more consecutive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the major or third and fourth year courses of the department amounting to eight hours a week may be elected by graduate students. There are offered each year two graduate seminaries in English literature and one in English language. The graduate seminaries in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English group; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English group.

Students who choose English as the chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and, if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the English Composition in the required English course.

Seminary in English Literature, Dr. Clark.

Three hours a week throughout the year.

(Given in each year.)

In 1908–09, romantic criticism is the subject of the seminary. The overthrow of eighteenth century standards and the rise of a new school of criticism is studied in the works of Coleridge, Hazlitt, and Lamb. Though the class meets only three times a week, the time required for reading in connection with the lectures makes the work equivalent to that of a five hour course.

In 1909–10 seventeenth century prose writers will be studied. The authors usually chosen for discussion are Bacon, Milton, and Hooker.

In 1910–11 the literary movement of the eighteenth century will be studied in connection with Johnson.

Seminary in Middle English, Dr. Brown.

Three hours a week throughout the year.

(Given in each year.)

In 1908–09 the subjects of the seminary are Middle English Grammar and Literature. Students taking the course are expected to have as much knowledge of Anglo-Saxon as is obtained in the language year of the English group. Representative examples of ecclesiastical, courtly, and popular mediæval literature are read with the class. Attention is paid to historical development and dialects. Special topics in the recent criticism of Middle English literature are assigned to the students to report on.

In 1909–10 the beginnings of English Drama will be the subject of the seminary. Though the cycles of the mystery plays will be considered in general, the larger part of the time will be devoted to the study of the English morality plays. Particular attention will be given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama will be studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures will be given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

In 1910–11 Middle English Romances will be studied. After an introductory study of the development of Romance literature in France, the romances of Germanic origin, the Arthurian and the Classical cycles, as represented in Middle English, are taken up in the order named. By means of lectures and reports the different groups are studied in relation to their general European development. Careful investigations of various elements in individual romances are undertaken from time to time by the students.

Beowulf, Dr. Brown.

Two hours a week throughout the year.

(Given in 1908–09 *and again in* 1910–11.*)*

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon or its equivalent.

Cynewulf and Cædmon, Dr. Brown.

Two hours a week throughout the year.

(Given in 1909–10 *and again in* 1911–12.*)*

Several of the poems traditionally ascribed to these authors are critically studied. Lectures will be given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent.

English Historical Grammar, Dr. Brown.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo Saxon and Middle English.

Seminary in Elizabethan Drama, Dr. Hatcher.

Three hours a week throughout the year.

(*Given in each year.*)

The subject of the seminary in 1908–09 is non-dramatic English literature from 1558 to 1700. The epic is studied as illustrated in the *Faerie Queene, Paradise Lost,* and *Goudibert;* the sonnet in poems of Wyatt, Surrey, Watson, Sidney, Spenser, Shakespeare, etc.; the prose romance in Lyly, Greene, Lodge, Nashe, etc.; critical or didactic prose in Ascham, Mulcaster, Gosson, Lodge, Nashe, Sidney, Bacon, Webbe, Puttenham, Daniel, Davenant, Dryden, etc.; satire in Gascoigne, Lodge, Hall, Marston, Donne, Dryden, etc.; translations in the work of Berners, Chapman, Painter, Harrington, etc.; the pastoral in Sidney, Spenser, etc., and other significant poetic and prose forms. The national forces at work in the literature of the time, and the relations of critical theory to actual production, are traced, the reports of the students being supplemented by lectures.

Shakespeare will be the subject of the seminary in 1909–10. In the first semester as detailed a review as is practicable will be made of the results of Shakesperian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare will also be examined at first hand and evidences of his participation in the general dramatic activities of his time noted.

In 1910–11 English drama from 1558 to 1642 will be studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development, and decadence are discussed and a reasonable proportion of the extant plays of the period are read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

Continental Influences upon Non-dramatic English Literature from 1557 to 1700, Dr. Hatcher.

One hour a week throughout the year.

(*Given in* 1908–09.)

The course consists of lectures on the foreign influences at work upon the non-dramatic English literature of the period, and is occupied with noting the various sources and currents of this influence, especially with comparing important Continental models or forerunners with the corresponding productions in English, so as to estimate the nature and extent of the obligation involved. Thus the influence of the sonnets of Petrarch upon Wyatt, Surrey, Sidney, Spenser, Shakespeare, and others will be inquired into; that of the *Pléiade* upon minor poetic forms and of Gongorism and Marinism upon the school of Euphues and of Boiardo, Ariosto, and Tasso upon *The Faerie Queene.* The course is related to that in Elizabethan non-dramatic literature, but may be taken separately.

Dramatic Theory and Technique in England until 1642, Dr. Hatcher.

One hour a week throughout the year.

(*Given in* 1909–10.)

The course will involve inquiry into the critical origins of English dramatic theory and into the technique of the various types of drama appearing in England before the closing of the theatres in 1642. An attempt will be made to differentiate important sub-types of comedy and tragedy, and the essential characteristics of tragi-comedy masque, pastoral, etc., will be noted. The inquiry will include reference to foreign models and analysis of representative English plays of each type. The course is correlated to the seminary for 1909–10, dealing with Shakespeare, but may be elected separately.

English Journal Club, Dr. Clark, Dr. Brown, and Dr. Hatcher.

One and a half hours a fortnight throughout the year.

(*Given in each year.*)

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Associate Professor of German Literature, Dr. Hans Weyhe, Associate in German, and Miss Rose Chamberlin, Reader in German.

The instruction offered in German covers thirty-one hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; two hours of free elective; four hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

Matriculation Course. A class for beginners in German, under the direction of Miss Rose Chamberlin, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in German.

Major Course. The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

First Year.

(*Minor Course.*)

(*Given in each year.*)

Lectures on the History of German Literature from the earliest times to the time of Luther, Dr. Weyhe. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of mediæval German literature. The course includes the reading, in modern German translations, of specimens selected from Old and Middle High German authors. For these selections Thomas's *Anthology of German Literature* (Boston, 1907), *Das Nibelungenlied*, *Kudrun*, and *Der arme Heinrich* (Bötticher and Kinzel, *Denkmäler der älteren deutschen Literatur*, Vol. I, 2 and 3, Vol. II, 2) will be used. Weicher's *Deutsche Litteraturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Lessing, *Emilia Galotti*, must be read by students taking the course in the first semester; Goethe, *Egmont*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Jessen. *Two hours a week throughout the year.*

German Grammar and Prose Composition, Dr. Jessen. *One hour a week throughout the year.*

The course in critical reading consists of translations of modern German novels such as G. Keller's *Kleider machen Leute;* E. von Wildenbruch's *Der Letzte;* H. Böhlau's *Ratsmädelgeschichten* and especially of modern German essay prose. For translation of English into German, Hawthorne's *Tales of the White Hills and Sketches*, or texts of similar difficulty are used. German grammar is carefully reviewed in von Jagemann's *German Syntax* (Henry Holt and Co., New York).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Geschichte des dreissigjährigen Krieges, Book* III, (Ed. Palmer, New York; Henry Holt & Co.), must be read by students taking the courses in the first semester; Goethe, *Hermann und Dorothea*, and Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attendance on college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

Second Year.

(*Given in each year.*)

Lectures on the History of German Literature from Klopstock to the present time, Dr. Jessen. *Two hours a week throughout the year*

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Selected Reading, Dr. Jessen. *One hour a week throughout the year.*

This course in selected reading is planned to illustrate the lectures on literature. Neither the lectures nor the reading may be elected separately.

Private reading: Goethe, *Iphigenie*, and Lessing, *Nathan der Weise*, must be read by students taking the courses in the first semester; Sudermann, *Frau Sorge* and Hauptmann, *Die Versunkene Glocke*, (New York: Henry Holt & Co.), must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned, by all students pursuing the German courses.

Goethe, *Faust* (*2nd Part*), Dr. Jessen. *One hour a week throughout the year.*

German Prose Composition, Dr. Weyhe. *One hour a week throughout the year.*

In the course in Prose Composition the students translate selected passages of difficult English prose into German.

The course in *Faust* and the course in Prose Composition may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Goethe, *Faust*, (*1st part*), must be read by students taking the courses in the first semester; Goethe, *Tasso*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attendance on the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: German with any language.

FREE ELECTIVE COURSE.

Free Elective Course.

Advanced German Composition and Reading of Modern Prose, Miss Chamberlin. *Two hours a week throughout the year.*

(*Given in each year.*)

Attention is given in this course to the needs of students wishing to make teaching their profession. Each student is required to lecture to the class at least once during the year.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

German Literature from 1850 to the Present Time, Dr. Jessen. *Two hours a week during the first semester.*

(*Given in* 1908–09 *and again in* 1910–11.)

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the Present Time (continued), Dr. Jessen. *Two hours a week during the second semester.*

(*Given in* 1908–09 *and again in* 1910–11.)

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

Lectures on the History of German Literature from the Romantic School till 1850, Dr. Jessen.

Two hours a week during the first semester.

(*Given in* 1909-10 *and again in* 1911-12.)

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland;* the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century, Dr. Jessen.

Two hours a week during the second semester.

(*Given in* 1909-10 *and again in* 1911-12.)

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers of less importance.

Advanced Critical Reading, Dr. Jessen.

One hour a week throughout the year.

(*Given in each year.*)

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Elementary Middle High German, Dr. Weyhe.

One hour a week throughout the year.

(*Given in each year.*)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used

GRADUATE COURSES.

Graduate Courses.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are varied so that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or minor for the degree of Doctor of Philosophy.

Seminary in German Literature, Dr. Jessen.

Two hours a week throughout the year.

(*Given in each year.*)

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1908–09 the Romantic School and the *Volkslied* are studied.

In 1909-10 Goethe as a lyrical poet will be studied.

In 1910–11 Goethe's life and works will be the subject of the seminary. Goethe's views on æsthetics and philosophy, translations by and from Goethe, Goethe and romanticism, text criticism applied to selected works, studies of Goethe's style and use of words, and similar subjects are investigated.

German Literary Criticism, Dr. Jessen.

One hour a week during the first semester.

(*Given in* 1908–09 *and again in* 1911–12.)

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are taken into consideration. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen.

One hour a week during the second semester.

(*Given in* 1908–09 *and again in* 1911–12.)

The history of the essay in German literature is studied, and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed; the influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is investigated. Incidentally questions touching on the evolution of modern German prose style are dealt with.

Goethe's *Weltanschauung*, Dr. Jessen.

One hour a week during the first semester.

(*Given in* 1909-10.)

In this course the philosophy of Goethe is studied with a view to its importance in understanding the currents of thought underlying modern German culture. Its unscholastic character gives it special interest. The students are referred to the writings of Wilhelm Bode, Moritz Heynacher, Hermann Siebeck, and others on the subject.

Germanic Antiquities, Dr. Jessen.

One hour a week during the second semester.

(*Given in* 1909-10.)

This course deals with the study of ethnic conditions and characteristics, the racial and social conditions of the Germanic peoples and the important influences exerted by classical study and the Christian religion. The recent scientific discussions of Comte Gobineau, H. St. Chamberlain, and others have emphasised the importance of the subject. Tacitus's *Germania* will be read with reference to Müllenhoff, *Deutsche Altertumskunde.*

German Metrics, Dr. Jessen. *One hour a week during the first semester.*

(*Given in* 1910–11.)

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics, Dr. Jessen. *One hour a week during the second semester.*

(*Given in* 1910–11.)

Lectures will be given on *Deutsche Poetik* and *Stilistik.*

Goethe's *Faust*, Dr. Jessen. *Two hours a week throughout the year.*

(*Given in each year when the time of the department permits.*)

This course is intended as an introduction to the problems of *Faustphilologie*, dealing with both the first and second parts.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Hans Weyhe, Associate in German. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic and Middle High German grammar (first year course), are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

(*Given in each year.*)

Graduate Courses.

Introduction to the study of Teutonic Philology, Dr. Weyhe.
One hour a week throughout the year.

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the various Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as the relationship of dialects, and the consistency of phonetic laws; a brief history of Teutonic philology, and the outlines of general phonetics.

Gothic, Dr. Weyhe. *Two hours a week throughout the year.*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Wright's *Primer of the Gothic Language* (2nd ed., Oxford, 1899); Braune's *Gotische Grammatik* (6th ed., Halle, 1905), or Streitberg's *Gotisches Elementarbuch* (2nd ed., Heidelberg, 1906) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible.

Middle High German Grammar and reading of Middle High German Texts (first year course), Dr. Weyhe. *Two hours a week throughout the year.*

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Part of Hartmann's *Armer Heinrich* is read; it is followed by selections from the *Nibelungenlied*, a brief account being given of the "Nibelungenfrage" and of the manuscripts of the *Nibelungenlied.*

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (6th ed., Halle, 1904), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900). For a more complete treatment of the subject T. Wright's *Historical German Grammar* (Vol. 1, Oxford, 1907) is recommended. The private reading includes the works of the authors treated in the course.

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

Old High German, Dr. Weyhe. *Two hours a week throughout the year.*

This course is offered to students acquainted with Gothic and Middle High German, or at least modern German, and includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the differences between the Old High German dialects.

Middle High German (second year course), Dr. Weyhe.

One hour a week throughout the year.

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos* (Veldeke Wolfram, Gottfried von Strassburg, Rudolf von Ems, Konrad von Würzburg), and the second semester to Minnesangs Frühling and Walther von der Vogelweide.

Old Saxon, Dr. Weyhe. *Two hours a week during the second semester.*

The work presupposes on the part of the students a sufficient knowledge of Gothic and Anglo-Saxon. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1899); the *Hêliand* (in Sievers's or Heyne's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse with reference to versification and poetic style in Anglo-Saxon.

Old Norse, Dr. Weyhe. *Two hours a week during the second semester.*

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course attention is paid to the relation between Gothic and Norse, and to the differences between the East Teutonic and West Teutonic branches. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Sweet's *Icelandic Primer* (Oxford, 1886), or Holthausen's *Altis-*

ländisches Elementarbuch (Weimar, 1895); and Hildebrand's *Edda* (2nd edition, Paderborn, 1904), with Gering's *Glossar* (3rd edition, Paderborn, 1907). For advanced students the reading of one of the larger Islendinga sögur, preceded by an introduction to the history of Iceland, may be substituted.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar, Dr. Weyhe.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic as distinguished from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Teutonic Seminary, Dr. Weyhe. *One hour a week throughout the year.*

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The exercises consist mainly of the discussion of special topics by the instructor and the students. The subjects for discussion are announced in advance, and the members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In addition to the above courses, others in Old Frisian, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

French

The instruction in this department is under the direction of M. Lucien Foulet,* Professor of French Literature, Dr. Albert Schinz, Associate Professor of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, and Dr. Clara Leonora Nicolay, Reader in Elementary French.

The instruction offered in French covers thirty-three hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and thirteen hours a week of graduate work in modern French literature and in Old French literature and language.

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*Granted leave of absence for the year 1909–10. The courses offered by M. Foulet in 1909–10 will be given by an instructor whose appointment will be announced later.

Matriculation Course. A class for beginners in French, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in French. This course is given by Dr. Nicolay under the direction of Dr. Schinz.

Major Course. Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject. All the courses in French are conducted in the French language.

First Year.

(*Minor Course.*)

(*Given in each year.*)

Lectures on the history of French Literature of the eighteenth century, accompanied by collateral readings of representative French authors, M. Foulet.* *Three hours a week throughout the year.*

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the lectures is to familiarise the students with the spoken language of France and form and direct their literary taste.

Private reading: Marivaux, *Les fausses confidences;* Montesquieu, *Lettres Persanes* (46, 74, 93, 94, 95, 97, 102, 103, 124, 144), Voltaire, *Siècle de Louis XIV* (Heath, Boston), must be read by students taking the course in the first semester. Voltaire, *Correspondance* (Heath, Boston); Rousseau, *Confessions, Dialogues, Rêveries* (Hachette, Paris, *Extraits*); Chénier, *L'Aveugle, Hymne à la France* (the first fifty lines), *La jeune captive,* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned, by all students pursuing the French courses.

Critical Readings in French prose and poetry. Practical Exercises in French Syntax and Composition, Dr. Schinz. *Two hours a week throughout the year.*

The class is conducted in French, and students are expected to take notes and to answer questions in French.

Private reading: Balzac, *Les Chouans,* must be read by students taking the course in the first semester; de Vigny, *Grandeur et Servitude Militaire* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles, id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston), will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a few detached sentences of every-day idiomatic English, such as may be found in Sweet's *Primer of Spoken English*, or the German edition of it (*Elementarbuch des Gesprochenen Englisch.* Oxford, Clarendon Press), or Chardenal's *French Exercises for Advanced Pupils* (Allyn and Bacon, Boston). The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

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*See footnote page 113.

SECOND YEAR.

(*Given in each year.*)

Lectures on the history of French Literature from the earliest times to the end of the seventeenth century, accompanied by collateral reading, Dr. Schinz. *Three hours a week throughout the year.*

These lectures are delivered in French. The collateral reading in connection with the lectures, on which examinations are held at stated intervals, consists, for the period preceding the seventeenth century, of passages chosen from such works as Gautier's *Epopées Françaises* or Petit de Julleville's *Histoire du Théâtre en France;* and for the seventeenth century of selections from the leading authors of the time. Malherbe, Boileau, Corneille, Racine, Molière, La Fontaine, Descartes, Pascal, La Rochefoucauld, Mme. de Sévigné, the great pulpit orators, and others, find a place in the course. During the first semester a number of selections from sixteenth century writers are also read in class, one hour out of the three being specially devoted to this purpose.

Private reading: *Chanson de Roland* (*traduction Gautier*), and Bédier, *Tristan et Iseut*, must be read by students taking the course in the first semester; Corneille, *Le Cid, Cinna;* Racine, *Andromaque, Athalie;* Molière, *Tartuffe;* Boileau, *Art Poétique* (*Chant I*), Pascal, *Lettre Provinciale, V;* Bossuet, *Oraison funèbre de Condé* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings and Studies in the Great Masterpieces of French Literature, M. Foulet.* *One hour a week throughout the year.*

Molière, *Ecole des Femmes, Critique de l'Ecole des Femmes, Impromptu de Versailles, Don Juan, Le Misanthrope, L'Avare, Le Bourgeois Gentilhomme, Le Malade Imaginaire* (Ed. Thirion, Hachette, Paris), are read in the first semester; selections from La Fontaine, La Bruyére, Marivaux, Chénier, Hugo, Musset, and de Hérédia in the second semester.

Studies in French Style, Composition, etc., M. Foulet.* *One hour a week throughout the year.*

The two one-hour courses given by M. Foulet may not be elected separately.

Private reading: Renan, *Souvenirs d'Enfance et de Jeunesse*, must be read by students taking the courses in the first semester; Rostand, *Les Romanesques*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry), into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow.* No specific question on French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

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*See footnote page 113.

Group: French with Italian and Spanish, *or* with any language.

Post-major Courses.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Origin, development, and decline of realistic comedy, M. Foulet.

Two hours a week throughout the year.

(*Given in* 1908–09 *and again in* 1911–12.)

The lectures treat of the origin of realistic comedy in Beaumarchais; its period of highest development in Augier, Dumas fils, Pailleron, and Sardou; its decline, the *comédie naturaliste;* new systems and new writers, Jules Lemaître and Edmond Rostand.

The French Novel from Lesage to Flaubert, M. Foulet.*

Two hours a week throughout the year.

(*Given in* 1909–10.)

The lectures treat of the origin of the modern novel in Lesage and Marivaux, the influence of Rousseau on its further development, the romantic novel of Mme. de Staël, Chateaubriand, de Vigny, Hugo, and the realistic novel of Stendhal, Mérimée, and Balzac.

The Romantic Drama of the nineteenth century, M. Foulet.

Two hours a week throughout the year.

(*Given in* 1910–11.)

The lectures deal with the origin and development of the romantic drama in the works of Victor Hugo, Alexandre Dumas père, Alfred de Vigny, and Alfred de Musset. Its renaissance in the latter part of the century in Richepin and Edmond Rostand is then discussed.

French Lyric Poetry of the nineteenth century, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1908–09 *and again in* 1910–11.)

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

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*See footnote, page 113.

The short story (*nouvelle*) in the nineteenth century, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Bazin, Rod, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, and others.

Teachers' Course in Advanced French, Dr. Schinz.

One hour a week throughout the year.

(*Given in each year.*)

This course is especially intended to give students the practical knowledge of French required for teaching the language. A correct pronunciation is taught by means of a study of French phonetics, of the comparative value of sounds, of the tonic and oratorical accents, and of the rhythmical language. Classical texts are analysed as a preparation for exercises in composition and lectures on the principles of French rhetoric are given.

GRADUATE COURSES.

Graduate Courses.

Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. Graduate students interested in the study of literature will also find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be followed by graduate students throughout three years, and cover the work required of students who offer French language or literature as a major or minor for the degree of Doctor of Philosophy.

Literature.

Seminary in French Literature, M. Foulet.*

Three hours a week throughout the year.

(*Given in each year.*)

The subject of the seminary in 1908–09 and again in 1911–12 is Molière; French Comedy before Molière, Molière's comedies, their Latin, Italian, and French sources, his style and method of composition, the nature of his "comique," his philosophy and his morality are discussed.

In 1909–10 the subject of the seminary will be *La 'Matiere de Bretagne' et l'epopée courtoise.* The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

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*See footnote, page 113.

The subject of the seminary in 1910–11 is Ronsard and the *Pléiade*, the object being to determine the origin, the extent, and the success of the Renaissance movement in France. The chief works of Ronsard and his successors, especially Du Bellay and Baïf, will be read and discussed.

Life and Writings of J. J. Rousseau, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1908–09 *and again in* 1911–12.)

Special attention is devoted to the following points: Rousseau as the father of the Romanticism of the nineteenth century; Rousseau as the first representative of cosmopolitan literature, Joseph Texte's ideas on "*Cosmopolitisme littéraire;*" the personality of Rousseau, a study of his works with special reference to the theories of his insanity.

Victor Hugo as a lyric, epic, and philosophical poet, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1909–10.)

Among the subjects discussed are: Victor Hugo, the Royalist and Catholic poet; what Victor Hugo owes to Chateaubriand and other contemporaries; Victor Hugo in relation to Napoleon I, the Republic, Napoleon III; Victor Hugo's social, political, and religious ideas as expressed in his latest poetical works.

Seminary in Old French Literature, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1910–11.)

The subject of the seminary is the religious and popular narrative poetry of the middle ages. In the first semester the collection of *Contes dévots* of Adgar, Gautier de Coincy and Le Marchand will be read, and also those stories of the *Vies des Pères* that are accessible. Comparisons with collateral stories will be made and some features of Gautier's style will be studied in their relation to religious Latin poetry. In the second semester *fabliaux*, *dits*, and *contes* will be read to test the Arian, oriental, and anthropological theories of the origin of the stories.

Language. The course in Old French Philology is intended for students in their first year of graduate study; that in Old Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French Literature.

Old French Philology, Dr. Holbrook.

Two hours a week throughout the year.

(*Given in each year.*)

This course consists of lectures on the Phonology, Morphology, and Syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar will be studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie.* Other books used are Passy's *Sounds of the French Language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan's *Grammaire de l'Ancien Français.*

Old French Readings, Dr. Holbrook.

One hour a week throughout the year.

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar will be reviewed and rare or difficult locutions will be minutely examined for the sake of precise interpretation; dialectal features will be considered and attention will be given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge.*

The following courses may be rearranged to suit the needs of students in any particular year.

In 1908–09 Dramatic Literature was studied. Various mysteries and miracle plays were critically examined; but the course dealt mainly with purely mediæval comedy (*ca.* 1260—*ca.* 1530). The texts used were Adam de la Hale's *Jeu de la feuillée* (edition of Rambeau, Marburg, 1886, and of Langlois, Paris, 1895); Paul Lacroix's *Recueil* (Paris, 1859), and the facsimile of Guillaume Le Roy's *Patelin* (1486?), printed for the Société des textes Français modernes.

In 1909–10 Epic and Historical literature is the subject of the course. The texts required are Stengel's edition of the *Chanson de Roland* (Leipsic, 1900); the *Pèlerinage de Charlemagne* (ed. by Koschwitz, Leipsic, 1900), and the *Extraits des Chroniqueurs Français* (Villehardouin, Joinville, Froissart, Commines), ed. by G. Paris and A. Jeanroy, Paris, 1893.

In 1910–11 various texts will be read with a view to deriving from them at first-hand knowledge of every-day life—customs, manners, dress, and habits of thought—in mediæval France. Linguistic features will be examined in accordance with the introductory statement.

In 1911–12 the course will deal with the striking locutions to be found in various old texts.

Old French Seminary, Dr. Holbrook. *Two hours a week throughout the year.*

(Given in each year.)

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal, Dr. Holbrook. *Two hours a week throughout the year.*

(Given in each year.)

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Romance Languages Journal Club, M. Foulet, Dr. DeHaan, Dr. Schinz, Dr. Holbrook. *One and a half hours a fortnight throughout the year.*

(Given in each year.)

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

The instruction offered in Italian covers ten hours of lectures and recitations a week; it includes eight hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group. Any of the undergraduate courses in Italian may be taken as free elective courses.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Major Course.

Italian, Dr. Holbrook. *Three hours a week throughout the year.*

(May be taken as a free elective.)

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books read are the following: C. H. Grandgent's *Italian Grammar;* Bowen's *Italian Reader* and Hecker's *Il Piccolo Italiano;* Giuseppe Finzi's *Petrarca* (1900); also selections from the verse and prose of Renato Fucini.

Representative Italian Classics in English Translations, Dr. Holbrook *Two hours a week throughout the year.*

(May be taken as a free elective.)

This course deals with typical masterpieces of Italian literature from Dante to Cellini. The author's life, character, and surroundings, his place in literary history, and his translators are discussed.

The works studied are as follows: *Dante and his Circle* (for early lyrics), *Vita Nuova*, most of the *Inferno*, parts of the *Purgatorio* and *Paradiso;* Boccaccio, *Life of Dante* and several tales translated by John Payne and J. M. Rigg; Petrarch, selected *Letters*, *Sonnets* and *Triumphs;* Ariosto, *Orlando Furioso;* Tasso, *Jerusalem Delivered;* Castiglione, *The Courtier;* Cellini, *Life*. Knowledge of Italian is not required.

SECOND YEAR.

(Given in each year.)

Italian Classical Literature, Dr. Holbrook. *Three hours a week throughout the year.*

The work in this course is to translate most of the *Inferno* and parts of the *Purgatorio* and *Paradiso;* then selections from Ariosto and Tasso. For these two the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course.

Group: Italian and Spanish with any language.

GRADUATE COURSES.

Three hours a week of seminary work and graduate lectures are offered each year to graduate students of Italian accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Graduate Courses.

Italian Philology, Dr. Holbrook. *One hour a week throughout the year.*

(Given in each year.)

This course presupposes a knowledge of Old French philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings, Dr. Holbrook. *One hour a week throughout the year.*

(*Given in each year.*)

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Romance Languages Journal Club, M. Foulet, Dr. DeHaan, Dr. Schinz, Dr. Holbrook. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers eighteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Spanish; and six hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Spanish, Dr. DeHaan. *Five hours a week throughout the year.* ***Major Course.***

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos;* Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); DeHaan's *Selected Works of G. A. Bequer;* Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José;* Galdós, *Marianela.*

SECOND YEAR.

(*Given in each year.*)

Lectures in Spanish on Spanish Literary History of the Nineteenth Century, Dr. DeHaan. *Two hours a week throughout the year.*

Spanish Composition, Dr. DeHaan. *One hour a week throughout the year.*

Critical Reading in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

Group: Spanish, or Italian and Spanish with any language.

POST-MAJOR COURSE.

Post-Major Course. The post-major course is designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect this course.

Advanced Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

(Given in each year.)

The course consists of readings of classical, pre-classical and modern literature, translation of English prose into Spanish, and the writing of compositions in Spanish. Some time is devoted to the study of the history of Spanish literature.

GRADUATE COURSES.

Graduate Courses. Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major course of the department amounting to two hours a week may be elected by graduate students.

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year.*

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681), Dr. DeHaan. *One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

Romance Languages Journal Club, M. Foulet, Dr. DeHaan, Dr. Schinz, Dr. Holbrook. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages and Miss Maud Downing, Reader in Semitic Languages. The instruction offered in this department includes five hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and eleven hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 200 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(Given in each year.)

Minor Course.

Oriental History, Dr. Barton. *Five hours a week throughout the year.*

(May be taken as a free elective or may be substituted for the second year of required science.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

FREE ELECTIVE COURSES.

Free Elective Courses.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

History of the New Testament Canon, Dr. Barton.

One hour a week throughout the year.

(Given in 1908–09 *and again in* 1910–11.)

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

The History of Christian Doctrine, Dr. Barton.

Two hours a week throughout the year.

(*Given in* 1908–09 *and again in* 1910-11.)

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the Old Testament Canon, Dr. Barton.

One hour a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

New Testament Biography, Dr. Barton.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester, to the life and teaching of St. Paul. The instruction is given in lectures, and the Gospels and Epistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

GRADUATE COURSES.

Graduate Courses.

Eleven hours a week of seminary work and graduate lectures are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer either of these languages as the major subject in the examination for the degree of Doctor of Philosophy, must possess a knowledge of the grammatical forms of five Semitic languages. In this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

There will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1908-09:

Aramaic, including Syriac and Biblical Aramaic, Dr. Barton.
Two hours a week throughout the year.

The first semester is devoted to Syriac. After the forms are learned, which is an easy matter for students acquainted with Hebrew, selections are read from the Syriac versions of the New Testament, from the chronicles of Barhebräus, and from the hymns of Efrem. The second semester is devoted to Jewish Aramaic, which is the dialect of large parts of the books of Daniel and Ezra, as well as of the Targums.

Egyptian, Dr. Barton. *One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Assyrian Seminary, Dr. Barton. *One hour a week throughout the year.*

This course is devoted to the interpretation of administrative records of the temple at Telloh.

Hebrew Literature, Dr. Barton. *One hour a week throughout the year.*

This course consists of a study of Old Testament Poetry and of the Apocalypses, Jewish and Christian.

The following courses are offered in 1909–10:

Assyrian Seminary, Dr. Barton. *One hour a week throughout the year.*

The work of the seminary consists of a critical study of Sumerian texts.

Hebrew Seminary, Dr. Barton. *One hour a week throughout the year.*

The Psalter and the book of Job, Canticles, Ecclesiastes or one of the historical or prophetic books will be discussed.

Advanced Aramaic, Dr. Barton. *One hour a week throughout the year.*

One hour of the course is devoted to Jewish Aramaic including a study of the Talmud and Aramaic inscriptions. The remaining hour is spent on Syriac and the Sinai gospels and the poetry of Ephraim are studied.

Comparative Semitic Grammar, Dr. Barton.
One hour a week throughout the year.

The course is devoted to Semitic phonetics and grammatical forms with a comparison of old Hamitic. In connection with the work selected Egyptian texts are read, to supply the student with Hamitic linguistic material. The first semester is devoted to phonetic material and its laws, the second to the pronoun and the verb.

Ethiopic, Dr. Barton. *One hour a week throughout the year.*

The grammar and *Chrestomathia* of Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

Egyptian, Dr. Barton. *One hour a week throughout the year.*

This course is a continuation of that given in 1908–09.

The following courses are offered in 1910–11:

New Testament Greek Seminary, Dr. Barton.
One hour a week throughout the year.

Portions of the Greek text of the New Testament are critically interpreted. Students are assisted in familiarising themselves with the facts and theories of textual and historical criticism, or in investigating such problems as their previous training has fitted them to attack.

Semitic and Hebrew Religions, Dr. Barton.
One hour a week throughout the year.

In the first semester the fundamental conceptions of the Semites as to gods and men, sin, sacrifice, and atonement are studied; in the second semester the religion of Israel is compared with the Semitic religion, and the preparation for Christanity is traced.

Assyrian, Historical Texts, Dr. Barton.

One hour a week during the first semester.

This course is devoted to the interpretation of royal annals, both Assyrian and Babylonian.

Advanced Arabic, Dr. Barton. *One hour a week throughout the year.*

In the first semester portions of the Qur'an are read and in the second semester portions of the Mu'allakât poems are interpreted; special attention is given to syntax. The grammars of Socin and Wright are used.

Aramaic Literature, Dr. Barton. *One hour a week during the second semester.*

Aramaic civilisation and its chief literary products are studied.

Advanced Aramaic, Dr. Barton. *One hour a week throughout the year.*

This course is a continuation of that given in the preceding year.

The following courses are offered in 1911–12:

Biblical Archæology, Dr. Barton. *One hour a week throughout the year.*

This course consists of a study of the geography, political divisions, and various arts of Palestine as revealed in the original sources, excavations, Babylonian and Egyptian inscriptions, the El-Amarna letters, the various Biblical documents, the Moabite stone, Josephus, the Madeba map, the Onomasticon, Arabian writers, and Crusading sources.

Hebrew Literature, Dr. Barton. *Two hours a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Semitic Epigraphy (Phœnician, Aramaic, and Sabæan), Dr. Barton.

Two hours a week throughout the year.

The course begins with a study of the Moabite stones the language of which differs only slightly from Hebrew. As the grammatical forms of Phœnician do not greatly differ from those of Hebrew, the Phœnician part of this course is practically a course in Hebrew epigraphy, the Aramaic is practically an extension of the Aramaic course, while the Sabæan is in part a review of Arabic forms. Lizdbarski's *Nordsemitische Epigraphik*, Cooke's *North Semitic Inscriptions*, and Hommel's *Südarabische Chrestomathie* are the text-books used.

The following courses are offered in each year:

Elementary Hebrew, Miss Downing.

Three hours a week during the first semester.

This course comprises a thorough study of the elements of the language, and the interpretation of parts of Genesis and Deuteronomy. It enables students to read ordinary Hebrew at sight.

Elementary Assyrian, Miss Downing.

Three hours a week during the second semester.

This course includes a study of the elements of the language, the interpretation of selections from the royal annals, and exercises in writing Assyrian.

Elementary Arabic, Miss Downing. *Two hours a week throughout the year.*

This course consists of a study of the elements of the language, the interpretation of selections from Brünnow's *Chrestomathia* and from the *Thousand and One Nights*, together with Arabic prose composition.

Hebrew, The Prophets, Miss Downing. *One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

History.

The instruction in this department is under the direction of Dr. William Henry Allison, Associate in History, and Dr. William Roy Smith, Associate Professor of History. The instruction offered in History covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history; and seven hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The course is planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

First Year.

(*Minor Course.*)

(*Given in each year.*)

1*st Semester.*

The History of Europe to the Period of the Renaissance, Dr. Allison. *Five hours a week.*

Major Course.

This course opens with a few lectures on the contribution of ancient civilisation to mediæval life, with special reference to the influence of Rome. From this point the design is to trace the fall of Rome and the rise of new nationalities; the growth of Frankish power; the empire of Charles the Great; the gradual nationalisation of France and Germany; the growth and influence of the Church; the Feudal System and the rise of French monarchy; the rapid extension of Mohammedanism and its points of contact with Europe; the struggle between the Papacy and the Holy Roman Empire; the scope and results of the crusading movement.

2*nd Semester.*

The History of Europe from the Period of the Renaissance to the close of the Religious Wars, Dr. Smith. *Five hours a week.*

The lectures trace the growth of the humanities and the phases of religious change; the broadening of knowledge in letters, geography, and science; the extension of commerce and the struggle for privileges and constitutional liberty; the weakening of the Papacy and the failure of the Holy Roman Empire; the spirit of reform; the growth of Protestantism and the counter measures; the war in the Netherlands; the religious and political struggles in France, and the Thirty Years' War. The course closes with the Treaty of Westphalia.

SECOND YEAR.

(*Given in each year.*)

1*st Semester.*

The History of Europe from the Treaty of Westphalia to the close of the Napoleonic Campaigns, Dr. Smith. ***Five hours a week.***

This course, which is a continuation of the previous year's work, treats of the territorial expansion of France in the seventeenth century; the rise of French absolutism; the theory of the balance of power; the growth of nationality and international relations; the rise of Prussia; the Seven Years' War, and the expansion of England; the political, social, economic, religious, and philosophical conditions of France leading to reform and revolution; the growth of the moderate spirit under the Directory; the rise of Napoleon and the Empire, and the general European war until the Congress of Vienna.

2*nd Semester.*

The History of Europe from the Congress of Vienna to the Present Time, Dr. Allison. ***Five hours a week.***

This course is planned to give a general outline of the history of the nineteenth century, with special reference to Western Europe. The lectures trace broadly the phases of reaction against legitimism and Metternichism, the growth of liberal ideas and constitutional government, and the conditions and circumstances which have led to the reorganisation of the political map of Europe. The course concludes with a general survey of world politics from 1878 to the present day.

Group: History with Economics and Politics, *or* with Law.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

England in the Tudor Period, Dr. Allison.

Two hours a week during the first semester.

(*Given in* 1908–09 *and again in* 1910–11.)

This course consists of a survey of English history during the reigns of the five Tudor sovereigns, noting particularly the significance of the period for the constitutional, political, social, and religious development of England.

England in the Stuart Period, Dr. Allison.

Two hours a week during the second semester.

(*Given in* 1908–09 *and again in* 1910–11.)

This course follows the same general lines as the course on the Tudor period.

The Reform Period of English History, 1815–1845, Dr. Allison.

Two hours a week during the first semester.

(*Given in* 1909–10 *and again in* 1911–12.)

Beginning with a brief survey of conditions at the close of the Napoleonic period, the various liberalising and reform movements will be considered both in their internal developments and in their reactions upon English life. Among the movements considered will be Catholic emancipation, parliamentary reform, philanthropic enterprise, the Chartist agitation, the repeal of the corn laws.

British Imperialism, Dr. Allison. *Two hours a week during the second semester.*

(*Given in* 1909–10 *and again in* 1911–12.)

This course will study the causes of British expansion and its directions, the events in colonial history important in their reaction upon English politics, and especially the history of the British imperial system.

American Constitutional History from 1789 to the present time, Dr. Smith. *Three hours a week throughout the year.*

(*Given in* 1908–09 *and again in* 1910–11.)

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States* and *Select Statutes of United States History*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

American Constitutional History to 1789, Dr. Smith.

Three hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States.* The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Graduate Courses.

Graduate Courses.

Seven hours a week of seminary work and graduate lectures are offered each year to graduate students of History, accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Seminary in English History, Dr. Allison.

Three hours a week throughout the year.

(*Given in each year.*)

In 1909–10 the subject of the seminary will be special privileges in England, 1559 to 1660. The social, political, and economic conditions in England in the period from the accession of Elizabeth to the Restoration will be investigated for the purpose of discovering the special privileges enjoyed by particular classes, local groups or individuals. The origin and nature of some of these will be further studied with their general and specific effects as discernible in English history. In part it will be a study of feudal survivals, in part a study of post-Reformation developments.

In 1910–11 seventeenth century English Puritanism will be the subject of the seminary. Problems in the historical development of Puritanism will be assigned to the students for investigation and some of the typical writings examined. Each student will make a special study of one particular Puritan of the period.

In 1911–12 genetic studies in the reform period of English history, 1815 to 1845, will be the subject of the seminary. The reform movements which sought legislative support in Parliament will be discussed and an attempt will be made to discover the various forces, especially the organised forces, favoring or opposing these movements.

Historical Method and Criticism, Dr. Allison.

Two hours once a fortnight throughout the year.

(*Given in each year.*)

The questions dealt with in this course are the scope of historical work and its relations to allied subjects; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; editing, criticism, and evidence.

Seminary in American History, Dr. Smith.

Three hours a week throughout the year.

(*Given in each year.*)

In 1908–09 and again in 1911–12 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1909–10 the revolution, the confederation and the constitution are the subjects of study. American history from 1776 to 1789 will be discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties will be investigated. The seminary will meet for two hours a week in this year.

In 1910–11 the American colonies in the seventeenth and eighteenth centuries will be the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

Historical Journal Club, Dr. Allison and Dr. Smith.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Charles Clarence Williamson, Associate in Economics and Politics, and Miss Marion Parris, Associate in Economics and Politics. The instruction offered by this department covers twenty-three hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of free elective work; five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and six hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

1st Semester.

Major Course.

Introduction to Economics, Miss Parris. *Five hours a week.*

The objects of this course are to introduce the students to the economic problems in the modern state, to familiarise them with the main problems in economic science, and to train them to think clearly on economic subjects. The main work of the semester is the study of the nature and extent of supply, including a brief outline of economic geography, the nature and laws of demand, an introduction to the theory of wants, value and fixing of price, and the theory of economic institutions, methods of production, methods of exchange, international exchange, and transportation problems. The lectures are supplemented by a large amount of reading from standard economic authors. Numerous short papers are required and oral and written quizzes are frequently held.

2nd Semester.

Introduction to Politics, Dr. Williamson. *Five hours a week.*

This is a study of the organisation and workings of American political institutions, as much use being made of historical and comparative materials as the limits of the course permit. The legislative, executive and judicial branches of the national and state governments are studied, with some attention to their origin and development, and with special reference to their efficiency and amenability to popular control. Lectures are given on the organisation and legislative methods of the United States Senate and House of Representatives, the election and powers of the president, the civil service and the federal courts. A brief time is allotted to a similar study of the state governments, after which problems of municipal government, political parties, suffrage and elections are treated. Lastly, the functions of the modern state are examined with special reference to the contentions of individualism and socialism.

SECOND YEAR.

(*Given in each year.*)

1st Semester.

Social Politics, Dr. Williamson. *Five hours a week.*

The work of the preceding year is continued by a thorough study of the economic position of the working classes under the industrial regime. The rise of the problem is traced; radical and conservative programmes of reform are examined; the arguments for and against state action are discussed in connection with a concrete study of legislation in various countries designed to ameliorate the conditions of employment and to promote the economic and social well-being of the weaker classes of society. The methods of securing legal enactment, constitutional hindrances, and the difficulties of enforcing factory laws are treated with special reference to the experience of American states. The chief topics taken up are the industrial revolution and the factory system, socialism and the labor movement, labor organisations and the methods of securing industrial peace, the labor of women and children, factory inspection, employers' liability, workmen's insurance, and industrial education.

2nd Semester.

History of Economic Thought, Miss Parris. *Five hours a week.*

The object of this course is twofold. First, to trace the development of certain of the most fundamental concepts in modern economic theory, such as the theories of value, concepts of capital and interest, rent, wages, monopoly, etc., in order to appreciate critically modern economic theory. Secondly, by relating economic thinking to the political and economic history, and to the religious and philosophical thinking of the successive historical epochs studied, to give the student a proper historical background for further study.

The students will be required to read critically portions of Aristotle's *Ethics* and *Politics* in translation, also selections from the mediæval canonistic writers: Adam Smith's *Wealth of Nations*, Vol. I; Ricardo's *Principles of Political Economy and Taxation;* Malthus's *Principles of Population;* and selections from Senior's *Political Economy*, John Stuart Mills's *Principles of Political Economy*, and Jevons's *Political Economy*. Numerous short papers, written quizzes, and one report on some specially assigned subject will be required.

Group: Economics and Politics, with History, *or* with Law, *or* with Philosophy.

FREE ELECTIVE COURSES.

Free Elective Courses.

Methods of Social Research, Miss Parris.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The course begins with a brief account of modern institutions for social research and social reform. Various methods of social research will then be studied and reports required on special problems in social statistics, and the collection and graphical representation of material. Booth's *Life and Labour in London*, Bailey's *Modern Social Conditions* and Henderson's *Modern Methods of Charity* will be used as text-books. The course is open only to those students who have attended the minor course in economics and politics.

Municipal Government, Dr. Williamson.

Two hours a week throughout the year.

(*Given in* 1910–11.)

The course consists of a general survey of the more important problems of American city government. The chief topics treated are, the origin of the city, the growth of urban population, with its economic and political results, the position of the city in the state government, political parties and municipal government, municipal elections, and the municipal functions, such as police and fire protection, sanitation, and education. The policy of municipal ownership of public utilities will be examined in its various aspects. This course is open only to those students who have attended the minor course in economics and politics.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Public Economy, Dr. Williamson. *Two hours a week throughout the year.*

(*Given in* 1908–09 *and again in* 1910–11.)

This course begins with a discussion of the nature of the public economy and its relation to private economics. After tracing the development of the public economy, theories of the economic activity of the modern state are examined. This is followed by a discussion of public expenditure, its growth in modern democratic societies, and its social and industrial effects. A rapid survey of the history and theories of taxation serves as an introduction to a special study of the problems of federal, state, and local taxation in the United States, comparisons being made with the leading foreign countries. Attention is also called to the nature and significance of other forms of public revenue. The course concludes with a discussion of the theory of public credit and the policy of national and local governments in regard to public debts. This course was given as a course of three hours a week in 1908–09.

Industrial Problems, Dr. Williamson. *Three hours a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

The lectures of this course deal with certain economic problems which involve political action. Among the more important subjects taken up are the following: problems of money and banking; the commercial policy of the principal countries with special reference to the tariff situation in the United States; the rise of the transportation problem and a comparison of the methods of government control in use in various countries; industrial combinations, their development and their relation to the state. Typical combinations will be studied and the results of anti-trust legislation examined. The aim is to put before the student the significant facts of our commercial and industrial development, accompanied by an economic analysis of the problems created and a discussion of the political factors to be reckoned with in their solution.

Theoretical Sociology, Miss Parris. *Two hours a week throughout the year.*

(*Given in* 1908–09 *and again in* 1909–10.)

This course is designed to introduce the students to the problems of modern sociology. The first semester's work will be a history of sociological theory. The students will read selections from Auguste Comte, Herbert Spenser, Professor Giddings, and others. In the second semester the various social problems confronting the modern state will be considered, such as the congestion of population, housing and transportation problems in American and Continental cities, immigration and race problems in America, the standard of living among various economic groups, etc.

The lectures are supplemented by written reports on specially assigned reading and by written and oral quizzes.

The History of Political Theory, Miss Parris.

Three hours a week throughout the year.

(*Given in* 1910–11.)

The object of this course is to trace the history of certain political concepts, such as the ideas of liberty, sovereignty, state, government, etc. The first semester will be devoted to ancient and mediæval political theory. In the second semester modern political theory will be studied. The following books will be read during the year: Plato's *Republic;* Aristotle's *Politics;* Machiavelli's *Prince;* Hobbes' *Leviathan;* Locke's *Essays on Government;* Rousseau's *Social Contract;* Burgess's *Political Science and Constitutional Law.*

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more consecutive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Economic Seminary, Dr. Williamson. *Three hours a week throughout the year.*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1908–09 the seminary is devoted to a study of selected topics in the financial and industrial history of the United States.

In 1909–10 the government of American cities will be the principal subject for the work of the seminary.

In 1910–11 labor problems will be the subject for seminary study. The lectures will trace the rise of the problem, the history and functions of labor organisations, and certain aspects of labor legislation. The seminary will meet two hours a week in this year.

Seminary in the Theory of Value, Miss Parris

Two hours a week throughout the year.

(*Given in* 1908–09.)

This course is a critical study of modern theories of value. A short historical introduction serves as a review of the principal economic theories of value in the English and German schools. The main work of the year is a study of the modern German and Austrian writers. The works of Ehrenfels, Meinong, Kraus, Kreibig, and Chuel are studied and criticised.

Seminary in Utilitarianism in Economics, Miss Parris.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The object of this course is to study the influence of utilitarian philosophy and ethics in shaping the economic theory of the English classical school. Paley, Bentham, Adam Smith, James Mill, Ricardo, Malthus, and John Stuart Mill are read critically.

Seminary in Capital and Interest, Miss Parris.

Three hours a week throughout the year.

(*Given in* 1910–11.)

The theories of capital of modern German, American, and Italian economists are studied and critically compared.

Economic Journal Club, Dr. Williamson and Miss Parris.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations are presented for discussion, comment, and criticism.

Law.

The instruction in this department is under the direction of Dr. Clarence D. Ashley, Dean of the Faculty of Law of New York University, Non-resident Lecturer in Law. The instruction offered in this department consists of three hours a week of undergraduate major and minor work, the first-year and second-year courses being given alternately. The minor course if continued throughout two years may be taken as an alternative for the second year of science required for the degree of Bachelor of Arts. The courses in law will be intermitted in 1909–10.

FIRST YEAR.

(Minor Course.)

(Given in 1910–11.)

Major Course.

Law of Contract, Dr. Ashley. *Two hours a week throughout the year.*

This course treats of the formation and discharge of contract as embraced in the topics of Mutual Assent and Consideration and Conditions. It is conducted by class discussion of cases contained in a collection of selected and condensed cases. A statement of each case, with a critical examination and full discussion of the principles involved, is required. The aim is to train the class in accurate legal thought, and incidentally to impart a thorough knowledge of the principles underlying the subjects covered. For collateral reading reference is made to Ashley on *Contract* and other standard authors.

Theory of Legal Procedure, Dr. Ashley. *One hour a week throughout the year.*

This course treats of the elements of jurisprudence, including the nature, scope, and divisions of law. with the distinctions between contract, tort, and quasi-contract, the nature and classification of rights, and a brief survey of the jurisdiction of of common law and equity courts.

SECOND YEAR.

(Minor Course.)

(Given in 1908–09 *and again in* 1911-12.)

Torts, Dr. Ashley. *Two hours a week throughout the year.*

In this course that class of wrongs which violate an absolute, as distinguished from a correlative, right is discussed. The nature, character, historical development, and classification of torts are considered. The course is conducted mainly by class discussion. The text-book used is Bigelow on *Torts* in connection with Ames's *Cases on Torts*, Vol. I.

Constitutional Law, Dr. Ashley. *One hour a week throughout the year.*

The subject of this course is the Constitution of the United States, and its development and construction by judicial decision. This involves an examination and study of the leading decisions of the United States Supreme Court on constitutional questions. The case system of study is adopted and the course is conducted mainly by class discussion.

Group: Law with History, or with Economics and Politics.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Associate Professor of Philosophy, Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory, Mr. Clarence Errol Ferree, Lecturer in Psychology, Miss Marion Reilly and Mr. Asa Russell Gifford, Readers in Philosophy. The instruction offered in this department covers thirty-seven hours of lectures a week; it includes a required course of five hours a week; ten hours a week of undergraduate major and minor work; two hours a week of free elective work; eight hours a week of post-major work open only to graduates and undergraduates who have completed the major course in philosophy; and twelve hours a week of graduate work.

A course in philosophy, five hours a week throughout one year, is required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, or physics.

Required Course.

History of Philosophy, Dr. de Laguna. *Three hours a week throughout the year.*

(Given in each year.)

The object of this course is to give a general survey of the history of philosophy. The first semester is devoted to a study of Greek and mediæval thought. In the second semester the lectures deal with the development of modern philosophy from Descartes to Kant. In conclusion the main features of post-Kantian idealism are briefly indicated.

Psychology, Dr. Leuba. *Two hours a week throughout the year.*

(Given in each year.)

The text-book used is James's *Psychology, Briefer Course.* In connection with the lectures there are demonstrations of pertinent psycho-physical facts.

First Year.

(Minor Course.)

1*st Semester.* *(Given in each year.)*

Major Course.

Elementary Ethics, Dr. de Laguna. *Three hours a week.*

(Open only to those students who have taken the general course in the History of Philosophy. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

This course forms a critical and historical introduction to ethical science. It is conducted by means of lectures, discussions, and supplementary reading.

The Psychology of Instinct, Emotion, and the Will, Dr. Leuba. *Two hours a week.*

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

2nd Semester.

Problems in Metaphysics, Mr. Gifford. *Three hours a week.*

(Open only to those students who have taken the general course in the History of Philosophy. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

In this course certain fundamental questions in philosophy are discussed in detail, such as substance and cause, mechanism and teleology, monism and pluralism, idealism and materialism, optimism and pessimism.

Experimental Psychology, Mr. Ferree. *Two hours a week.*

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

This course counts as the equivalent of two hours a week for one semester; one hour a week is given to lectures on experimental psychology and two and a half hours a week to laboratory work.

SECOND YEAR.

(Given in each year.)

1st Semester.

Empiricism and Rationalism, Mr. Gifford. *Three hours a week.*

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course is devoted to a discussion of selected works of Descartes, Spinoza, Leibniz, and Hume.

Experimental Psychology, Mr. Ferree. *Two hours a week.*

(Open only to those students who have taken the minor course in Psychology. May be taken as a free elective by students not electing the philosophical group.)

This course counts as equivalent to two hours a week; during the first semester two and a half hours of laboratory work and one hour of lectures are given in place of two hours of lectures. In the laboratory the experimental work of the minor year is continued.

2nd Semester.

The Philosophy of Kant, Dr. de Laguna. *Three hours a week.*

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course consists of a general introduction to Kant's system, with an intensive study of portions of the *Critique of Pure Reason.*

Psychology (Animal Psychology), Dr. Leuba. *Two hours a week.*

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group.)

In this semester the laboratory work is discontinued and two hours a week of lectures are given. The genesis and growth of mental life with reference to animal psychology are treated.

Group: Philosophy with Greek, *or* with English, *or* with Economics and Politics, *or* with Mathematics, *or* with Physics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Theory of Pragmatism, Dr. de Laguna.

One hour a week throughout the year.

(*Given in* 1908–09 *and again in* 1910–11.)

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism.*

Rousseau's Social Philosophy, Dr. de Laguna.

One hour a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

In this course Rousseau's theories of art, politics, and religion are discussed. A reading knowledge of French is necessary for all students attending this course.

Elementary Logic, Mr. Gifford. *One hour a week throughout the year.*

(*Given in each year.*)

An introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Types of Metaphysical Theory, Mr. Gifford.

Three hours a week throughout the year.

(*Given in each year.*)

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced its implications and relationships are examined and criticised. The particular subjects selected vary from year to year. This course is open to those students only who have completed the two years of the major course in philosophy or have done equivalent work.

Philosophy of Hegel, Mr. Gifford. *Two hours a week throughout the year.*

(*Given in each year.*)

The course will be mainly based upon the *Logic* and *Philosophy of Mind* contained in Hegel's *Encyclopedia of the Philosophical Sciences.* This course is open to those students only who have completed the two years of the major course in philosophy or have done equivalent work.

Advanced Experimental Psychology, Dr. Leuba and Mr. Ferree.

Three hours a week throughout the year.

(*Given in each year.*)

This course is intended to prepare students to take up graduate work in psychology. It consists of one lecture a week given by Mr. Ferree and of five hours laboratory work in qualitative and quantitative psychology under the direction of Dr. Leuba and Mr. Ferree.

GRADUATE COURSES.

Graduate Courses.

Twelve hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy and psychology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to eight hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work.

Ethical Seminary, Dr. de Laguna. *Three hours a week throughout the year.*

(*Given in each year.*)

The subject of the seminary is either a study of one of the chief problems of ethics or metaphysics or a critical examination of some important movement of thought.

In 1908–09 the subject of the seminary is the ethics of Plato. The dialogues in which moral questions are prominently discussed are read in approximately chronological order; and the development of Plato's ethics is studied in the light of its interrelations with his theories of knowledge and of reality.

In 1909–10 Hume and his contemporaries will be studied. A brief preliminary survey will be made of the course of English ethical thought from Hobbes to Shaftesbury. This will be followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year will be a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

In 1910–11, the subject will be English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, and Pringle-Pattison. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

Metaphysical Seminary, Mr. Gifford. *Two hours a week throughout the year.*

(*Given in each year.*)

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1909–10 the subject of the seminary will be the nature of truth. Typical theories of the nature and criteria of truth (*e.g.*, those based upon correspondence, coherence, and utility,) will first be studied critically, and the implications of these theories with respect to the nature of reality will be estimated. In the light of this critical study the task of adjusting the various criteria will next be undertaken. Each student will select for individual investigation a special problem dealing with some aspect of the general subject.

In 1910–11 the subject of the seminary will be the nature of experience. The meaning of the concept of experience in different historical systems (rationalistic, empiricistic, critical, voluntaristic, etc.,) will be determined, and its implications critically examined. The work of the year will centre in an attempt to determine the relation of experience to ultimate reality.

Philosophical Journal Club, Dr. de Laguna and Mr. Gifford.
Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Psychological Seminary, Dr. Leuba. *Two hours a week throughout the year.*

(*Given in each year.*)

The work is conducted mainly according to the seminary method. One or two of the following subjects will be chosen each year: a comparative study of Wundt, William James, James Ward, Stout, and other psychologists; language, myths, customs; attention, apperception, the will; the psychology of religion and of ethics; psychology of the beautiful; psychiatry and criminology; animal and child psychology, comparative psychology.

Systematic Psychology, Mr. Ferree. *Three hours a week throughout the year.*

(*Given in each year.*)

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and idea, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Journal Club, Dr. Leuba and Mr. Ferree.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Leuba and Mr. Ferree.

The laboratory work consists of individual practice and research.

Education.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory. The instruction offered covers five hours of lectures a week; it includes two hours a week of free elective work, and three hours a week of graduate work.

It is the purpose of the department to offer to students intending to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In addition to the lectures open to undergraduates, courses will be organised for graduate students only, conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

FREE ELECTIVE COURSE.

Free Elective Course.

Education, Dr. Leuba. *Two hours a week throughout the year.*

(Given in each year.)

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

GRADUATE COURSES.

Graduate Courses.

Graduate students are recommended to follow the work offered in the free elective course.

No undergraduates are admitted to graduate courses.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc., Dr. Leuba. *Two hours a week throughout the year.*

(Given in each year.)

The Psychology of Mental and Bodily Growth with reference to Education, Dr. Leuba. *One hour a week throughout the year.*

(Given in 1909–10 *and again in* 1911–12.)

A knowledge of elementary psychology is assumed in this course.

The Methods and Principles of Teaching, Dr. Leuba. *One hour a week throughout the year.*

(Given in 1910–11.)

This course is open only to graduate students who have already taught or to those who take the practice work announced below.

History of Art and Classical Archæology.

The instruction in this department is under the direction of Dr. Caroline Louise Ransom,* Associate Professor of the History of Art and Classical Archæology, Miss Leila Clement Spaulding, Lecturer in the History of Art and Classical Archæology, Miss Una McMahan, Demonstrator in Archæology and Reader in Archæology, and Miss Georgiana Goddard King, Reader in English. The instruction offered in this department covers ten hours a week of lectures; it includes seven hours a week of free elective work, and three hours a week of graduate work.

The seven hours of undergraduate work are divided into courses of three hours a week, and two hours a week, and these change from year to year so that every student has an opportunity of taking each undergraduate course offered in the department. The courses in the Art of the Greek and Roman, Early Christian, Mediæval, and Renaissance periods are designed to give an outline of the history of European architecture, sculpture, and painting. Students wishing a more complete introduction to the history of art are advised to elect also the course in Egyptian Art. Additional courses in classical art and archæology are offered for students of Greek and Latin wishing to study classical antiquities.

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*Granted leave of absence for the second semester of 1908–09.

In addition to the graduate courses announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

FREE ELECTIVE COURSES.

Free Elective Courses.

Greek and Roman Art, Dr. Ransom. *Three hours a week throughout the year.*

(*Given in* 1908-09.)

In the first semester the Archaic and Transitional periods are treated and sculptures of the time of Phidias are discussed. The study of the great age of Greek sculpture continues through the second semester until the Easter vacation. The remaining weeks are devoted to Hellenistic and Roman sculpture. The course is illustrated with lantern slides. This course is conducted by Miss Spaulding in the second semester.

Greek and Roman Vases, Dr. Ransom.
One hour a week throughout the year.

(*Given in* 1908–09.)

A good collection of original material for illustration is in the possession of the department. This course is conducted by Miss Spaulding in the second semester.

English Church Architecture, Miss McMahan.
One hour a week throughout the year.

(*Given in* 1908–09.)

In this course the architecture of English churches of the Saxon, Norman, and Gothic periods is studied.

Greek and Roman Life, Miss Spaulding.
One hour a week throughout the year.

(*Given in* 1908–09.)

History of Architecture, Dr. Ransom. *Three hours a week throughout the year.*

(*Given in* 1909–10.)

This course consists of a survey of Greek, Roman, Early Christian, Mediæval, and Renaissance architecture; it is illustrated with lantern slides.

Egyptian Art, Dr. Ransom. *Two hours a week throughout the year.*

(*Given in* 1909–10.)

The architecture, sculpture, pottery, and other material remains of ancient Egypt are considered, beginning with the prehistoric period and continuing to the time of the Roman supremacy in Egypt. Special attention is given to subjects bearing on the art of Greece. The lectures are illustrated with lantern slides.

Italian Renaissance Painting from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.
Two hours a week throughout the year.
(*Given in* 1909–10.)

In the first semester the Italian Primitives are studied chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance are studied with special attention to those of Venice and the north of Italy.

History of Painting, Dr. Ransom. *Three hours a week throughout the year.*
(*Given in* 1910–11.)

This course consists of a survey of the history of painting in Europe beginning with the art of painting among the Greeks and ending with the sixteenth century schools. The lectures are illustrated with lantern slides.

Greek and Roman Vases, Dr. Ransom.
Two hours a week throughout the year.
(*Given in* 1910–11.)

A good collection of original material for illustration is in the possession of the department.

History of Sculpture, Dr. Ransom. *Three hours a week throughout the year.*
(*Given in* 1911–12.)

Greek and Roman sculpture are studied in the first semester and Renaissance sculpture in the second semester. The lectures are illustrated with lantern slides.

The Seventeenth and Eighteenth Century Schools of Painting, Dr. Ransom. *Two hours a week throughout the year.*
(*Given in* 1911-12.)

GRADUATE COURSES.

Graduate Courses.

Three hours a week of seminary work and graduate lectures are offered each year to graduate students of archæology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to seven hours a week may be elected by graduate students.

Archæological Seminary, Dr. Ransom. *Two hours a week throughout the year.*
(*Given in each year.*)

This course is open only to graduate students who have had some previous training in classical archæology.

In 1908–09 Greek and Roman coins are studied in the first semester and Greek and Roman sculpture is the subject of the seminary in the second semester. In the second semester the seminary is conducted by Miss Spaulding.

In 1909–10 Roman architecture and topography will be the subjects of the seminary in the first semester and Greek vases of the fifth century will be studied in the second semester.

In 1910–11 the subjects of the seminary will be Cretan antiquities in the first semester and Greek and Roman pottery in the second semester.

Archæological Journal Club, Dr. Ransom, Miss Spaulding, and Miss McMahan. *One and a half hours once a fortnight throughout the year.*
(Given in each year.)

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Mr. J. Edmund Wright, Associate Professor of Mathematics, Dr. Isabel Maddison, Associate in Mathematics, and Dr. Virginia Ragsdale, Reader in Mathematics. The instruction offered in mathematics covers twenty-four and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes two hours a week of a preparatory course in trigonometry and solid geometry, ten hours a week of undergraduate minor and major work, three hours a week of free elective work, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

Preparatory Courses.

A knowledge of elementary trigonometry is necessary for students entering the minor course in mathematics or the major course in physics. A course in trigonometry of two hours a week throughout the first semester is offered in each year. This course may either be taken as a free elective or be counted as part of the year of mathematics which may be taken as an alternative for the second year of required science, and those who do not elect the course must pass the examination for advanced standing before admission to the courses mentioned above.

First Year.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

1st Semester.

Analytical Conics, Dr. Scott. *Three hours a week.*

Theory of Equations, Dr. Scott. *Two hours a week.*

2nd Semester.

Elementary Differential and Integral Calculus, Mr. Wright. *Three hours a week.*

Algebra and Advanced Trigonometry, Mr. Wright. *Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately.

Second Year.

(*Given in each year.*)

1st Semester.

Differential and Integral Calculus, Mr. Wright. *Three hours a week.*

Theory of Equations, Determinants, and Differential Equations, Mr. Wright. *Two hours a week.*

2nd Semester.

Analytical Geometry of two and three Dimensions, History of Mathematics, Dr. Scott. *Three hours a week.*

Curve Tracing, Dr. Scott. *Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately.

Group: Mathematics with Greek, *or* with Latin, *or* with Philosophy, *or* with Physics, *or* with Chemistry, *or* with Geology.

Free Elective Courses.

Free Elective Courses.

Preparatory Course, Dr. Ragsdale. *Two hours a week throughout the year.*

(*Given in each year.*)

Trigonometry is the subject of the course in the first semester and solid geometry in the second semester. Either semester may be taken separately and counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Mathematical Processes and Computations, Dr. Scott. *Two hours a week throughout the year.*

(*Given in* 1908-09.)

This course is intended to enable students of science to acquire a working knowledge of elementary analytical geometry, and differential and integral calculus, including differential equations. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be combined with the course in trigonometry and the course in applied mathematics or with the courses in preparatory and graphical mathematics to make up the year of elective mathematics which may be taken as an alternative for the second year of required science. It may not be counted towards a degree by students who have taken the minor course in mathematics.

Graphical Mathematics, Dr. Scott. *One hour a week throughout the year.*

(*Given in* 1909-10.)

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be combined with the preparatory course and the course in mathematical processes and computations or the course in applied mathematics or with the latter two courses or with post-major courses to make up the year of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

One hour a week throughout the year.

(*Given in* 1910–11.)

This course is offered in alternate years. Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. It may be taken as a free elective and may be counted as part of the five hours of elective or post major mathematics which may be taken as an alternative for the second year of required science.

Elementary Course in Applied Mathematics, Mr. Wright.

Two hours a week throughout the year.

(*Given in each year.*)

This course is intended for students who are taking or have already taken either the minor course in mathematics or that in mathematical processes and computations. It comprises an elementary treatment of the most important mathematical problems of statics, dynamics, hydrodynamics, optics, heat, sound, astronomy, an account of Newton's *Principia*, and a brief historical sketch.

This course may be combined with the courses in mathematical processes and computations and in trigonometry or solid geometry or graphical mathematics or with post-major mathematics to make up the year of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following, with occasional modifications:

I. (*a.*) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*, Dr. Scott.

or, I. (*b.*) Lectures on Modern Pure Geometry, Dr. Scott.

or, I. (*c.*) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc., Dr. Scott.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (*a.*) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*, Mr. Wright.

or, II. (*b.*) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II, Mr. Wright.

or, II. (*c.*) Lectures on Differential Equations, ordinary and partial, Mr. Wright.

or, II. (*d.*) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc., Mr. Wright.

III. (*a.*) Lectures on Analytical Geometry of Three Dimensions, Dr. Maddison.

or, III. (*b.*) A practical course in Differential Equations. Dr. Maddison.

or, III. (*c.*) Lectures on the Theory of Envelopes, Dr. Maddison.

In 1908-09 the following post-major courses are offered:

I. (*b.*) Dr. Scott.	*One hour a week throughout the year.*
II. (*d.*) Mr. Wright.	*Two hours a week throughout the year.*
III. (*c.*) Dr. Maddison.	*One hour a week throughout the year.*

In 1909–10 the following post-major courses are offered:

I. (*a.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*b.*) Mr. Wright.	*Two hours a week during the first semester.*
II. (*a.*) Mr. Wright.	*Two hours a week during the second semester.*
III. (*a.*) Dr. Maddison.	*One hour a week throughout the year.*

In 1910–11 the following post-major courses are offered:

I. (*c.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*d.*) Mr. Wright.	*Two hours a week during the first semester.*
II. (*c.*) Mr. Wright.	*Two hours a week during the second semester.*
III. (*a.*) Dr. Maddison.	*One hour a week throughout the year.*

GRADUATE COURSES.

Graduate Courses.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Linear Systems of Algebraic Curves, Dr. Scott.

Two hours a week throughout the year.

(*Given in* 1908–09.)

The course deals with properties of systems of algebraic curves that are invariant under Cremona transformations, following the lines of the Italian memoirs of Castelnuovo and others. The systems considered during the first semester are in a plane; during the second semester some account is given of the corresponding theory for curves on a surface.

Theory of Algebraic Invariants, Dr. Scott.

Two hours a week throughout the year.

(*Given in* 1909–10.)

In this course binary and ternary forms are considered by means of Aronhold's symbolic notation. During the first semester the work is purely algebraic, during the second semester more attention is paid to the geometrical applications. A general knowledge of plane algebraic curves is necessary for students taking this course.

Theory of Surfaces, Dr. Scott. *Two hours a week throughout the year.*

(*Given in* 1910–11.)

A general knowledge of plane algebraic curves is necessary for students taking this course.

Linear Differential Equations, Mr. Wright.

Two hours a week throughout the year.

(*Given in* 1908–09.)

This course consists of a discussion of the general theory of these equations, particular attention being paid to those of the second order. A detailed account is given of those equations whose singular points are regular. The expression of the variables as uniform functions of a parameter is dealt with and in this connection the elementary properties of automorphic functions are given. Solution by means of definite integrals and equations of the type which arise in connection with mathematical physics are discussed.

Elliptic Functions, Mr. Wright. *Two hours a week throughout the year.*

(*Given in* 1909–10.)

A knowledge of the elementary properties of elliptic functions is presupposed; the properties of the theta functions are considered and some time is spent on the transformation theory. In the latter portion of the course the properties of modular functions are discussed.

Theory of Functions, Mr. Wright. *Two hours a week throughout the year.*

(*Given in* 1910–11.)

A knowledge of the elements of the theory is presupposed. The course will contain some account of the theory of functions of more than one independent variable and in particular will include a discussion of the properties of multiply periodic functions.

Mathematical Seminary and Journal Club, Dr. Scott and Mr. Wright.

One hour a fortnight throughout the year.

Fortnightly meetings are held at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. Nettie Maria Stevens, Dr. James Barnes, Dr. George Shannon Forbes, Mr. Chester Albert Reeds, Dr. Harriet Randolph, Dr. Frances Lowater, and Miss Gertrude Langden Heritage.

In January, 1893, the trustees opened Dalton Hall, a large building containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The physical, chemical, and biological laboratories are open to students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men.*

The value of a practical knowledge of biology and chemistry as preliminary or accessory to the professional study of medicine is generally recognised. Through the courtesy of the Woman's Medical College of Pennsylvania, allowance is made in its professional courses for work carried on at Bryn Mawr in the scientific laboratories. Students of Bryn Mawr College that have completed major courses in chemistry and biology are released from the primary, or first year's examination in this college, and from laboratory practice in chemistry and biology. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University, and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Every effort is made to enable students of medicine to complete the studies necessary to their purposes in the shortest possible time.

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* RESOLUTIONS ADOPTED BY THE BOARD OF TRUSTEES OF THE JOHNS HOPKINS UNIVERSITY, ON FEB. 6TH, 1893.

"A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as Candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University.

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of Physics, Chemistry, and Biology as is imparted by the regular minor courses† given in these subjects in this University.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† By a minor course is understood one that requires one year for its completion. In the languages, the course involves five class-room exercises a week; in Physics, four class-room exercises and three hours a week in the laboratory; and in Chemistry and Biology, four class-room exercises and five hours a week in the laboratory in each subject.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Associate Professor of Physics, Dr. James Barnes, Associate in Physics, and Dr. Frances Lowater, Demonstrator in Physics. The instruction offered in physics covers seventeen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

1st Semester.

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff. *Five hours a week.*

Major Course.

Laboratory Work, Dr. Huff and Dr. Lowater. *Four hours a week.*

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes. *Five hours a week.*

Laboratory Work, Dr. Barnes and Dr. Lowater. *Four hours a week.*

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Carhart's *University Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

(*Given in each year.*)

1st Semester.

Theory of Light, Problems in Mechanics, Dr. Barnes. *Five hours a week.*

Laboratory Work, Dr. Barnes and Dr. Lowater. *Five hours a week.*

2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff. *Five hours a week.*

Laboratory Work, Dr. Huff and Dr. Lowater. *Five hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics;* the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat;* dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical*

Mechanics; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism;* optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, *or* with Mathematics, *or* with Chemistry, *or* with Geology, *or* with Biology.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

General Optics, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1908–09.)

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

(*Given in* 1909-10.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*

(*Given in* 1909-10.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Spectroscopy, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1910–11.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie.* Detailed reports of laboratory investigations are required and in this work Mann's *Manual of Advanced Optics* will be found useful.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(*Given in* 1911–12.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. Emphasis is laid upon giving clear ideas of physical phenomena. A large number of problems on potential and attraction are assigned.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of physics accompanied by the direction of private reading, laboratory work and original research, and these courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

Mathematical Theory of Electricity and Magnetism, Dr. Huff.
Three hours a week throughout the year.

(*Given in* 1908-09.)

The lectures are based on Maxwell's standard work, and include a somewhat detailed account of the later development of the theory.

Thermo-dynamics and Radiation, Dr. Barnes.
Three hours a week throughout the year.

(*Given in* 1909-10.)

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Radioactivity, Dr. Huff. *Three hours a week during the first semester.*

(*Given in* 1910-11.)

The earlier lectures deal with the motion of a charged particle in the field. A discussion of the methods of measuring the velocity of a moving charged particle, and the ratio of its charge to its mass follows. After a discussion of the various radioactive processes a brief account of the theories of the structure of the atom is given.

Discharge of Electricity through Gases, Dr. Huff.
Three hours a week during the second semester.

(*Given in* 1910-11.)

The lectures deal primarily with the study of ions and the part they play in the mechanism of the electric discharge.

Physical Optics, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1911–12.)

This course gives a general mathematical discussion of physical optics. Attention is paid to the methods and results of important investigations, bringing in the essential points.

Physical Journal Club, Dr. Huff and Dr. Barnes.

One hour a week throughout the year.

(*Given in each year.*)

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in work in the laboratory. The laboratory is provided with special rooms for magnetic, optical, and electrical work, and in the basement is a constant-temperature vault designed for accurate comparison of lengths, etc. The stock of apparatus is being added to yearly. A well-equipped shop and a skilled mechanic make it possible to construct special forms of apparatus designed for research.

Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. George Shannon Forbes, Associate in Chemistry, and Miss Gertrude Langden Heritage, Demonstrator in Chemistry. The instruction offered in chemistry covers nineteen hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, three hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in both inorganic and organic chemistry, making an elementary course that is complete in itself.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are mainly on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

1st Semester.

Introduction to General Chemistry, Dr. Kohler. *Five hours a week.*

Laboratory Work, Dr. Kohler and Miss Heritage. *Five hours a week.*

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed. Throughout the semester the lectures and the laboratory work are complementary. The laboratory work of each day is outlined in the lecture, sufficient instruction being given to enable the students to observe intelligently. After all the experiments on a given subject have been made, the results are discussed in the class-room.

2nd Semester.

Introduction to Organic Chemistry, Dr. Forbes. *Two hours a week.*

This course is designed to meet the needs of students who take only one year of chemistry; but the material is so selected that it serves as an introduction to the more systematic course given in the second year. An effort is made to give an accurate conception of the underlying principles of organic chemistry.

Qualitative Analysis, Dr. Forbes. *Three hours a week.*

Laboratory Work, Dr. Forbes and Miss Heritage. *Five hours a week.*

This course consists of lectures, reviews, and laboratory work in qualitative analysis, the object being to familiarise the students with the properties and distinguishing characteristics of inorganic substances, and with the help of a systematic scheme of analysis to separate and identify various substances.

SECOND YEAR.

(*Given in each year.*)

1st Semester.

Lectures on Theoretical Chemistry, Dr. Forbes. *Five hours a week.*

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria.

Laboratory Work, Dr. Forbes. *Five hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Kohler. *Five hours a week.*

This course presupposes a knowledge of the elements of organic chemistry as given in the first year, and is devoted to a systematic and detailed study of organic compounds.

In the lectures the typical compounds are studied in detail; the general relations existing between classes of compounds, as well as the methods of transforming one class into another, are discussed. The experimental processes and the reasoning employed in determining constitutional or structural formulas are considered, and an attempt is made to trace the influence of organic investigations on the development of general chemistry.

Laboratory Work, Dr. Kohler and Miss Heritage. *Five hours a week.*

The laboratory work is devoted to organic preparations. A few simple substances are first studied with care. These are then transformed in a variety of ways to illustrate the relations on which the method of classifying organic compounds is based. Finally the same substances are used as material with which to build up more complex compounds in order to illustrate the synthetical methods by which the complicated organic compounds occurring in nature can be prepared in the laboratory.

Group: Chemistry with Mathematics, *or* with Physics, *or* with Geology, *or* with Biology.

Post-major Courses.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Inorganic Chemistry, Dr. Forbes. *Three hours a week throughout the year.*

(*Given in* 1908-09 *and again in* 1910-11.)

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry and to lay a foundation for independent work in this subject. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

The laboratory work includes the calibration of instruments; the preparation of pure substances; advanced quantitative analysis, comprising the elements of gas and water analysis; and such physico-chemical measurements as the needs of the individual student may indicate.

Organic Chemistry, selected topics, Dr. Kohler.

Three hours a week throughout the year.

(*Given in* 1909-10 *and again in* 1911–12.)

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general, the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

Graduate Courses.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of chemistry accompanied by the direction of private reading, laboratory work, and original research. The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Kohler, or in inorganic and physical chemistry, under the direction of Dr. Forbes, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of their minor subjects. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

Chemical Seminary, Organic Chemistry, Dr. Kohler.

One hour a week throughout the year.

(*Given in each year.*)

The students who specialise in organic chemistry present formal reports upon assigned topics.

Chemical Seminary, Inorganic Chemistry, Dr. Forbes.

One hour a week throughout the year

(*Given in each year.*)

The course consists of lectures, required reading, and reports on various topics, including the structure of inorganic compounds, modern analytical methods, and radioactivity.

Advanced Organic Chemistry, Dr. Kohler.

Three hours a week throughout the year.

(*Given in* 1908–09 *and again in* 1910–11.)

Physical Chemistry, Dr. Forbes. *Three hours a week throughout the year.*

(*Given in* 1909-10 *and again in* 1911-12.)

The lectures give a general survey of the subject, including the laws of gases, the elements of thermodynamics, the theory of solutions, chemical kinetics, equilibria and thermo-chemistry. The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances, the study of reaction velocities, calorimetry, and electro-chemical measurements.

Chemical Journal Club, Dr. Kohler and Dr. Forbes.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Mr. Chester Albert Reeds, Lecturer in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, two hours a week of free elective work, two post-major courses of three hours a week open only to graduates and to undergraduates that have completed the major course in geology and three graduate courses of five, three, and two hours a week respectively.

The first year of the major course in geology is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The purpose of the course is to make clear to the student the present constitution and form of the earth's crust, to promote keen and accurate observation of natural phenomena, and to give some insight into the nature of geological problems. The second year of the major course deals with the evolution of the earth's crust, and affords training in palæontology, stratigraphy, and structural geology.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

1*st Semester.*

Major Course.

Lectures on Physiography, Dr. Bascom.	*Five hours a week.*
Field Work, Dr. Bascom.	*Three hours a week.*
Laboratory Work, Dr. Bascom.	*Two hours a week.*

The lectures first deal with the character and action of the forces which control the landscape; subsequently the features produced by these physiographic processes are treated; finally physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographical relief models, and maps. No text-book is used, but standard manuals are accessible for reference.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighborhood on Mondays from 2 to 5 P.M. during the autumn and spring. As the course progresses, more extended excursions may be taken among the crystalline rocks of the South Mountain Range or the fossiliferous formations of the Coastal Plain. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Lectures on Megascopic Petrology, Mr. Reeds.	*Five hours a week.*
Field Work, Mr. Reeds.	*Three hours a week.*
Laboratory Work, Mr. Reeds.	*Two hours a week.*

The lectures discuss the materials which constitute the earth's crust; the chief precious stones, the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models.

In the laboratory crystal forms, rock-forming minerals, and rock types are systematically studied.

Field mapping similar to that of the first semester is continued throughout the semester.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Lectures on Historical Geology, Mr. Reeds.	*Five hours a week.*
Field Work, Mr. Reeds.	*Three hours a week.*
Laboratory Work, Mr. Reeds.	*Two hours a week.*

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves frequent excursions to fossiliferous localities in the paleozoic formations of Pennsylvania and the mesozoic and cenozoic formations of New Jersey.

2nd Semester.

Lectures on Glaciology and Structural Geology, Dr. Bascom.	*Five hours a week.*
Field Work, Dr. Bascom.	*Three hours a week.*
Laboratory Work, Dr. Bascom.	*Two hours a week.*

The origin, nature, and work of the glacial period, the development of man, the origin and age of the earth and the causes and effects of crustal movements are discussed with illustrations in the lectures.

In the laboratory topographic maps and models illustrating features due to glaciation, also maps and models illustrating geologic structures are studied, subsequently problems in structure are solved.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Mathematics, *or* with Physics, *or* with Chemistry, *or* with Biology.

FREE ELECTIVE COURSES.

(Given in each year.)

Free Elective Courses.

1st Semester.

Lectures on Meteorology, Mr. Reeds.

Two hours a week during the first semester.

The course consists of lectures on atmospheric phenomena illustrated by a selected series of lantern slides. Weather maps and forecasts are received daily from Washington and Philadelphia, and, by means of these, weather conditions in the United States are studied and observations are made on phenomena attending storms.

2nd Semester.

Lectures on Oceanography, Mr. Reeds.

· Two hours a week during the second semester.

The course consists of a study of the ocean. The lectures treat of the relief of the sea bottom, the various sediments laid down thereon, animal life in the sea, the conditions under which it exists, and causes of and barriers to the migration of faunas.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Lectures on Petrography, Dr. Bascom. *Two hours a week throughout the year.*

Field Work, Dr. Bascom. *Three hours a week throughout the year.*

Laboratory Work, Dr. Bascom.

Two and a half hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Lévy are used for reference. Special field problems are given to the students for independent solution.

Lectures on Palæontology, Mr. Reeds. *Two hours a week throughout the year.*

Field Work, Mr. Reeds. *Three hours a week throughout the year.*

Laboratory Work, Mr. Reeds. *Two and a half hours a week throughout the year.*

The course presupposes a knowledge of historical geology. A systematic study is made of the various classes of animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Weekly excursions are made to neighboring fossiliferous localities to collect fossils, and to observe their occurrence in the rocks. The student has access, not only to the representative palæontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of geology accompanied by the direction of private reading, laboratory work, and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to four hours a week may be elected by graduate students.

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate course in historical geology is designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; it may also be taken by graduate students in biology who wish to make historical geology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Lectures on Petrology, Dr. Bascom. *One hour a week throughout the year.*

Field Work, Dr. Bascom. *Four hours a week throughout the year.*

Laboratory Work, Dr. Bascom. *Eight hours a week throughout the year.*

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research-work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Lectures on Mineralogy, Dr. Bascom. *One hour a week throughout the year.*

Laboratory Work, Dr. Bascom. *Three hours a week throughout the year.*

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing. Lectures on descriptive mineralogy or optical crystallography are included in this course when desired. The Theodore D. Rand mineral collection furnishes superior material for study and illustration.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Lectures on Advanced Historical Geology, Mr. Reeds.
One hour a week throughout the year.

Field Work, Mr. Reeds. *Three hours a week throughout the year.*

Laboratory Work, Mr. Reeds.
Three and a half hours a week throughout the year.

A detailed study is made of the rocks of one or more geological periods. The faunas and floras in these rocks are studied with respect to their development and to their associations in the various geographic areas and zoologic provinces. The student will study the literature bearing on the periods under consideration, and in the field, will make a systematic investigation of an assigned area in the vicinity of the college.

Geological Journal Club, Dr. Bascom and Mr. Reeds.
One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens, Associate in Experimental Morphology, and Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany. The instruction offered in biology covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and four hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

First Year.

(Minor Course.)

(Given in each year.)

1st Semester.

Major Course.

Lectures on General Biology, Dr. Tennent. *Four hours a week.*

Lectures on Plants, Dr. Randolph. *One hour a week*

Laboratory Work, Dr. Tennent and Dr. Randolph. *Five hours a week.*

2nd Semester.

Lectures on Vertebrates, Dr. Warren.
Five hours a week for the first nine weeks.

Lectures on the Embryology of the Chick, Dr. Tennent.
Five hours a week for the last four weeks.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Randolph.
Five hours a week

It is the object of this course to give the student clear conceptions of the fundamental principles of vital structure and action, the outlines of general classification, and the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiæ of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student examines a number of animals and plants, so arranged as to form a natural and progressive introduction to the general principles of biology. After certain general preliminary studies of familiar and highly organised forms, the student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

(*Given in each year.*)

1*st Semester.*

Animal Physiology, Dr. Warren. *Five hours a week.*

Laboratory Work, Dr. Warren and Dr. Randolph. *Five hours a week.*

A knowledge of scientific physiology is conveyed by a detailed account of the microscopic structure and the mode of working of the higher animal organisms. The application of this knowledge to hygiene, medicine, and psychology is indicated.

The chief organs and tissues of the vertebrate body are examined with the microscope. Considerable time is given to familiarising the student with the preparation and mounting of material for microscopical study. The fundamental facts of physiology and the methods of physiological inquiry are taught by means of demonstrations and experiments by the students. The laboratory has a good equipment of apparatus, to which additions are constantly made.

2*nd Semester.*

General Zoology, Dr. Tennent. *Two hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life and a systematic presentation of the more important facts of general morphology.

Comparative Anatomy of Mammals, Selected topics, Dr. Warren. *Two hours a week.*

Theoretical Biology, Dr. Tennent. *One hour a week.*

In this course the student is introduced to some of the leading questions of theoretical general biology. The first part of the course treats of the history of biological discovery with special reference to the development of the more important generalisations and theories of the science. The latter part is mainly devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology, such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Randolph. *Five hours a week.*

In the laboratory thorough dissections are made of typical forms, illustrating the leading groups of animals. A portion of the course is devoted to a study of the sense organs.

Group: Biology with Physics, *or* with Chemistry, *or* with Geology.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Embryology, Dr. Tennent. *One hour a week throughout the year.*

(*Given in* 1908–09 *and again in* 1910–11.)

This course consists of lectures and laboratory work on the embryology of the vertebrates. In the lectures an effort is made not only to discuss the embryology of specific forms but also to consider carefully the fundamental questions of embryological interest. The development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Mammal is studied. After the study of these forms some elementary problem in embryology is assigned to each student.

Comparative Anatomy and Embryology of the Protochordates, Dr. Tennent. *One hour a week during the first semester.*

(*Given in* 1909–10 *and again in* 1911–12.)

This course of lectures, assigned reading, and laboratory work is intended to supplement the major course in zoology. Types of the principal groups of the protochordates are studied in the laboratory and some individual work is assigned.

The Structure of Protoplasm and the Cell, Dr. Tennent. *One hour a week during the second semester.*

(*Given in* 1909–10 *and again in* 1911–12.)

The structure of protoplasm, the mechanism of cell division, fertilisation, reduction, and some of the problems of cell organisation are described and studied.

Advanced Physiology, Dr. Warren. *One hour a week throughout the year.*

(*Given in each year.*)

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation. In suitable cases and by special permission of the instructor this course may be extended by laboratory work and private reading. In this way it may be made equivalent to a course of two or three hours a week.

Lectures on the Structure and Function of the Central Nervous System, Dr. Warren. *One hour a week throughout the year.*

(*Given in each year.*)

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry, Dr. Warren.

Two hours a week throughout the year.

(*Given in each year.*)

The instruction in this course is given by lectures and conferences on selected topics and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry at least equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology, Dr. Warren.

One hour a week throughout the year.

(*Given in each year.*)

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Problems in Experimental Morphology, Dr. Stevens.

One hour a week throughout the year.

(*Given in each year.*)

The object of this course is to give a general view of experimental morphology, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in this subject. The most interesting problems in experimental morphology are discussed and special attention is given to the literature bearing on these problems. This course may be taken as a one hour course with one and a half hours laboratory work or assigned reading, but it is recommended that it be taken with four or more hours of laboratory work as a two, three, or four hour course.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Stevens.

It is desirable that as much laboratory work as possible should be done in connection with the lectures offered above. The time to be spent in the laboratory is not rigidly fixed, but the maximum requirement is such that the lectures count as equivalent to a full five hour course. Special problems, moreover, are assigned to each student, and at the end of the year the result of the work is presented in writing.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work, and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to seven hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Stevens, or in animal physiology under the guidance of Dr. Warren.

Adaptation of Organisms, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1908–09.)

In this course the adaptation of organisms to environment, the origin of adaptations, and the theories that have been advanced to account for adaptation are considered.

Problems in Embryology, Dr. Tennent. *One hour a week throughout the year.*

(*Given in* 1909–10.)

The embryology of invertebrates with special reference to germinal organisation, cleavage and differentiation and to the problems of inheritance and development is studied.

The Evolution of Organisms, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1910–11.)

This course of lectures deals with the growth of the idea of organic evolution, the greater part of the course being devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

An Introduction to the History and Literature of Animal Physiology, Dr. Warren. *One hour a week during the first semester.*

(*Given in* 1908–09.)

On the Application of the Theory of Solutions to Physiology, Dr. Warren.

One hour a week during the second semester.

(*Given in* 1908–09.)

Selected Problems of Nutrition with special reference to recent discussions of standard diets, Dr. Warren. *One hour a week during the first semester.*

(*Given in* 1909–10.)

The Problem of the Knee-jerk, and a Discussion of the Graphic Method in its Application to Physiology, Dr. Warren.

One hour a week during the second semester.

(*Given in* 1909–10.)

The Interstitial Secretion of Glands ("Internal Secretion"), Dr. Warren.

One hour a week during the first semester.

(*Given in* 1910–11.)

Selected Problems in Respiration and their bearing on the Nature of Metabolism, and The Problem of Animal Heat (Thermometry and Calorimetry), Dr. Warren. *One hour a week during the second semester.*

(*Given in* 1910–11.)

Advanced Experimental Morphology, Dr. Stevens.

One hour a week throughout the year.

(*Given in each year.*)

The topics treated in this course vary from year to year according to the needs of the graduate students attending the lectures and the work being done by prominent investigators in the field of experimental morphology. Special use will be made of recent periodical literature. The subjects considered in past years were sex determination, organisation of the cytoplasm of the egg, the mutation theory, some problems in regeneration, statistical methods for the study of biological variation, and experimental morphology from a historical standpoint. A selection from these topics will be given in 1909-10 unless some other topics seem more desirable. Problems for laboratory research are assigned to each student.

Biological Journal Club, Dr. Tennent, Dr. Warren, and Dr. Stevens.

One hour a week throughout the year

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Stevens.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College *ex officio,* the Dean of the College, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Visiting Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practicing in Philadelphia, whose names may be found in the list of Appointments, have consented to serve as consulting physicians of the college and will be consulted in cases requiring their advice. The Visiting Physician will be in her college office during the hours from four to six of every afternoon except Sunday and may be consulted by the students without charge.

Students on the sick list are under the care of the attending physicians and the Dean of the College. Students on the special supervision list and all other students not on the sick list are under the immediate care of the Director of Athletics and Gymnastics, who will keep careful records of the health of all students and will endeavor by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students on account of illness before and after vacations and from attendance on academic work.

Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Elizabeth L. Gray, Assistant Director of Athletics and Gymnastics.

The gymnasium (see page 171) is open for the use of students from 7 A.M. to 10 P.M. daily. Four periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis, hockey, and riding; in the winter, water polo, lacrosse, indoor base ball, skating, swimming meet, fencing, and indoor track athletics; in the spring, basket ball, cricket, and tennis. All students who cannot satisfy the swimming test are required to take six lessons in swimming. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student, while exercising in the gymnasium, must wear a gymnasium suit of the pattern prescribed by the Director.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighborhood.

Religious services are held every Sunday evening, under the auspices of the College and of the Students' Christian Union, and prominent clergymen of different denominations are invited to address the students. A service is held every Sunday afternoon under the auspices of the Student League for the Service of Christ. There is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side is the Art Seminary, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a study room for the non-resident students, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain fourteen seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, and Philosophy in the north wing; Mathematics, History, Economics, Psychology, and Semitic Languages in the south wing. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, the Students' Association for Self-Government, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A.M. till 10 P.M. and on Sundays from 2 P.M. till 10 P.M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a luncheon-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnæ and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 A.M. till 10 P.M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnæ, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basements of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary wash-stands and tea pantries.

The Delaware and Atlantic Telegraph and Telephone Company, a branch of the long-distance Bell Telephone Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A.M. to 12 P.M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

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Schedule of Lectures, First Semester, 1909–10.

A.M.	COURSE.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
9	Matriculation Courses. General. Minor. Major. Elective. Graduate.	Greek (Kirk). German (Chamberlin). French (Nicolay). Philosophy (de Laguna). Greek, Plato (Sanders). French, Literature. History, Mediaeval (Allison). Mathematics (Scott). Chemistry (Kohler). German, Literature (Jessen). Theoretical Biology (Tennent). Physics (Barnes). Geology (Reeds).	Greek (Kirk). German (Chamberlin). French (Nicolay). Psychology (Leuba). Greek, Homer (Wright). French, Reading (Schinz). History, Mediaeval (Allison). Mathematics (Scott). Chemistry (Kohler). German, Composition (Weyhe). Trigonometry (Ragsdale).	Greek (Kirk). German (Chamberlin). French (Nicolay). Philosophy (de Laguna). Greek, Plato (Sanders). French, Reading. History, Mediaeval (Allison). Mathematics (Scott). Chemistry (Kohler). German, Literature (Jessen). Meteorology (Reeds). Biology (Tennent). Physics (Barnes).	Greek (Kirk). German (Chamberlin). French (Nicolay). Psychology (Leuba). Greek, Homer (Wright). French, Composition (Schinz). History, Mediaeval (Allison). Mathematics (Scott). Chemistry (Kohler). German, Faust (Jessen). Trigonometry (Ragsdale). Old Testament Canon (Barton). Physics, Sem. and Jour. Club (Huff and Barnes). Biology, Journal Club (Tennent, Warren).	Greek (Kirk). German (Chamberlin). French (Nicolay). Philosophy (de Laguna). Greek, Composition (Sanders). French, Literature. History, Mediaeval (Allison). Mathematics (Scott). Chemistry (Kohler). German, Reading (Jessen). Meteorology (Reeds). Biology (Warren). Physics (Barnes). Geology (Bascom).
10	General. Minor. Major. Elective. Post-major. Graduate.	Eng. Lit., 2d yr. (Donnelly). German, Reading (Jessen). Spanish (DeHaan). Biology (Tennent). Latin, Tacitus (Wheeler). History, Modern (Smith). Philosophy (Gifford). Geology (Reeds). Physics (Huff).	Eng. Comp., 2d yr., Occa. Mtgs. German, Literature (Weyhe). Spanish (DeHaan). Biology (Tennent). Latin, Literature (Frank). History, Modern (Smith). Geology (Reeds). German, Composition (Chamberlain Logic (Gifford). Applied Mathematics (Wright). Chemistry (Kohler).	Eng. Lit., 2d yr. (Donnelly). German, Grammar (Jessen). Spanish (DeHaan). Biology (Tennent). Latin, Tacitus (Wheeler). History, Modern (Smith). Philosophy (Gifford). Geology (Reeds). English Ballad (Brown). Graphical Mathematics (Scott). Physics (Huff). Chemistry (Kohler).	Eng. Comp., 2d yr., Occa. Mtgs. German, Literature (Weyhe). Spanish (DeHaan). Biology (Tennent). Latin, Literature (Frank). History, Modern (Smith). Psychology (Ferree). Geology (Reeds). German, Composition (Chamberlin) Philosophy of Rousseau (de Laguna). Applied Mathematics (Wright). Chemistry (Kohler).	Eng. Lit., 2d yr. (Donnelly). German, Reading (Jessen). Spanish (DeHaan). Biology (Tennent). Latin, Tacitus (Wheeler). History, Modern (Smith). Philosophy (Gifford). Geology (Reeds). Physics (Huff).
11	General. Minor. Major. Post-major. Graduate.	Eng. Lit., 1st yr. (Donnelly). Mid. English Poetry (Brown). Philosophy (de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Clark). Italian (Holbrook). Spanish, Reading (DeHaan). Mathematics (Wright). Chemistry (Forbes).	Eng. Comp., 1st yr., Occa. Mtgs. English Drama (Hatcher). Psychology (Leuba). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). Spanish, Literature (DeHaan). Mathematics (Wright). Chemistry (Forbes). Biology (Warren). Petrology (Bascom).	Eng. Lit., 1st yr. (Donnelly). Mid. English Poetry (Brown). Philosophy (de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Clark). Italian (Holbrook). Spanish, Grammar (DeHaan). Mathematics (Wright). Chemistry (Forbes).	Eng. Comp., 1st yr., Occa. Mtgs. English Drama (Hatcher). Psychology (Leuba). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). Spanish Literature (DeHaan). Mathematics (Wright). Chemistry (Forbes). Biology (Tennent).	Eng. Lit., 1st yr. (Donnelly). Mid. English Poetry (Brown). Philosophy (de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Clark). Italian (Holbrook). Spanish, Reading (DeHaan). Mathematics (Wright). Chemistry (Forbes). Mineralogy (Bascom).
12	Minor. Major.	Latin, Livy (Wheeler). Eng. 19th Cent. Critics (Clark). Italian (Holbrook). Geology (Bascom). Greek, Demosthenes (Sanders). French, Literature (Schinz). Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren).	Latin, Horace (Frank). Eng., Anglo-Saxon (Brown). Masterpieces of Italian Lit. (Holbrook). Geology (Bascom). Greek, Literature (Wright). French, Reading. Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren).	Latin, Livy (Wheeler). English, 19th Cent. Critics (Clark) Italian (Holbrook). Geology (Bascom). Greek, Aristophanes (Sanders). French, Reading (Schinz). Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren).	Latin, Horace (Frank). English, Anglo-Saxon (Brown). Masterpieces of Italian Lit. (Holbrook). Geology (Bascom). Greek, Literature (Wright). French, Composition. Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren).	Latin, Composition (Wheeler). Eng., 19th Century Critics (Clark). Italian (Holbrook). Geology (Bascom). Greek, Demosthenes (Sanders). French, Literature (Schinz). Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren).

	Elective and Minor.	Chemistry, Minor (Kohler). Geol., Min., F'd W'k (Bascom). Biology, Minor (Tennent). New Testament Biography (Barton). Italian Renaissance Painting (King). Methods of Social Research (Parris).	Chemistry, Minor (Kohler). Geology, Minor (Bascom). Biology, Minor (Tennent). New Testament Biography (Barton). Italian Renaissance Painting (King). Methods of Social Research (Parris).	(Kohler). Chem., Major (Forbes). Biology, Minor (Tennent). Biology, Major (Warren). } Alt. Weds.	Physics, Major (Barnes). Chemistry, Major (Forbes). Geology, Major (Reeds). Biology, Major (Warren). Critical Writing (King). Roman Law (Forrester).	Physics, Major (Barnes). Chemistry, Major (Forbes). Geology, Major (Reeds). Biology, Major (Warren).
2	Post-major.	Greek, Æschylus (Sanders). Econs. and Politics (Williamson). Metaphysics (Gifford). Mathematics (Scott). Experimental Morphology (Stevens).	Greek, Æschylus (Sanders). Spanish (DeHaan). Econs. and Politics (Williamson). Metaphysics (Gifford). Mathematics (Scott).	Greek, Aristophanes (Sanders). Latin, Composition (Frank). German, Reading (Jessen). Econs. and Politics (Williamson). Metaphysics (Gifford).	Latin, Roman History (Frank). German, Literature (Jessen). Spanish (DeHaan). French, Short Story (Schinz). Econs. and Politics (Parris). Philosophy of Hegel (Gifford). English Dramatic Theory and Technique (Hatcher).	Latin, Roman History (Frank). German, Literature (Jessen). French, Short Story (Schinz). Econs. and Politics (Parris). Philosophy of Hegel (Gifford).
	Graduate.	Sem. in French Literature.	Old French Philology (Holbrook).	Old Provencal (Holbrook). Archæology Sem. (Ransom), 2-4. Elementary Hebrew (Downing).	Old French Philology (Holbrook). Elem. Hebrew (Downing).	Old Provencal (Holbrook). Greek, Sem. in Menander (Wright), 2-4. Elem. Hebrew (Downing).
	Laboratory Work.	Physics, Minor (Huff). Chemistry, Minor (Kohler). Geol., Min., F'd W'k (Bascom). Biology, Minor (Tennent).	Psychol., Major (Ferree). Physics, Minor (Huff). Chemistry, Minor (Kohler). Geology, Minor (Bascom). Biology, Minor (Tennent).	Psychology, Major (Ferree). Chem., Minor (Kohler). Chem., Major (Forbes). Biol., Minor (Tennent). Biol., Major (Warren). } Alt. Weds.	Psychol., Major (Ferree). Physics, Major (Barnes). Chemistry, Major (Forbes). Geology, Major (Reeds). Biology, Major (Warren).	Physics, Major (Barnes). Chemistry, Major (Forbes). Geology, Major (Reeds). Biology, Major (Warren).
	Elective and Minor.	Eloc., Reading of Shakespeare (King).	Eloc., Reading of Shakespeare (King).	Prose Writers of Queen Anne Period (Donnelly).	Argumentation (Crandall). Descriptive Writing (Fullerton).	
3	Post-major.	Latin, Lucretius (Frank). French, The French Novel. History (Smith).	Latin, Lucretius (Frank). French, The French Novel. History (Smith). Advanced Experimental Psychology (Leuba, Ferree).	Latin, Lucretius (Frank). French, Teachers' Course (Schinz). History (Smith).	Education (Leuba). Roman Satire (Wheeler). Mid. High German (Weyhe). History (Allison).	Education (Leuba). Roman Satire (Wheeler). History (Allison).
	Graduate.	Mathematics (Wright). English, Sem. in Lit. (Clark), 3-4.30. Old Spanish Read. (DeHaan). Ethiopic (Barton). Sem. in Utilitarianism (Parris). Psychology Journal Club (Leuba and Ferree).	Mathematics (Wright). Greek Sem. (Sanders), 3-4.30. Cynewulf and Caedmon (Brown). Introd. to Teut. Philol. (Weyhe). Essays in Spanish (DeHaan). Hebrew Seminary (Barton). Seminary in Utilitarianism (Parris).	Mathematics (Maddison). English, Sem. in Lit. (Clark), 3-4.30. German Lit. Criticism (Jessen). Aramaic (Barton). Economics Seminary (Williamson) Systematic Psychology (Ferree). Petrology (Fieldwork) (Bascom).	Greek Sem. (Sanders), 3-4.30. Cynewulf and Caedmon (Brown). Essays in Spanish (DeHaan). Comparative Semitic Grammar (Barton). Philosophy Journal Club (de Laguna and Gifford), 3-4.30.	Eng. Journ. Club (Donnelly, Clark, Brown and Hatcher), 3-4.30. Alt. Weeks. Romance Languages Journ. Club (DeHaan, Schinz, Holbrook), 3 to 4.30. Alt. Weeks.
4	Graduate.	Seminary in Roman History (Frank), 4-6. Seminary in Shakespeare (Hatcher), 4.30-6. Seminary in Teutonic Philology (Weyhe). Old French Seminary (Holbrook), 4-6. Seminary in American History (Smith). Psychology Sem. (Leuba), 4-6. Mathematical Journal Club (Scott and Wright). Alt. Weeks.	Latin Journal Club (Wheeler and Frank), 4.30-6. Alt. Weeks. Mid. Eng. Sem. (Brown), 4.30-6. Sem. in French Lit. 4-6. Elem. Arabic (Downing). Historical Method and Criticism (Allison), 4-6. Alt. Weeks. Seminary in English History (Allison), 4-6. Alt. Weeks. Ethical Seminary (de Laguna), 4.30-6. Archaeological Journal Club (Ransom), 4.30-6. Alt. Weeks. Mathematics (Wright), 4-6.	Latin Sem. (Wheeler), 4.30-6. Seminary in Shakespeare (Hatcher), 4.30-6. Middle High German (Weyhe). Sem. in Victor Hugo (Schinz), 4-6. Egyptian (Barton). Seminary in American History (Smith). Metaphysical Seminary (Gifford), 4-6. Mathematics (Scott), 4-6.	Mid. Eng. Sem. (Brown), 4-30-6. Sem. in German Lit. (Jessen), 4-6. Sanskrit (Weyhe), 4-6. Italian Philology (Holbrook). Assyrian Seminary (Barton). Hist. Journal Club (Allison and Smith), 4-6. Alt. Weeks. Econs. Journal Club (Williamson and Parris), 4-6. Alt. Weeks. Ethical Seminary (de Laguna), 4.30-6. Physiology (Warren).	Latin Sem. (Wheeler), 4.30-6. Middle High German (Weyhe). Elem. Arabic (Downing). Economics Seminary (Williamson), 4-6. Systematic Psychology (Ferree), 4-6.
5	Graduate.			Gothic (Weyhe). Spanish Literature (DeHaan).	Old Italian Readings (Holbrook).	Gothic (Weyhe). Old French Readings (Holbrook). Spanish Philology (DeHaan).

ER, 1909-10.

Friday, January 21st.	Saturday, January 22nd.
, Major; Literature, 9–11. , Minor; Horace, 9–11. sh, Minor; Anglo-Saxon, 9–11. sh, Elective; Victorian Poetry, 1. sh, Elective; Non-dramatic Litera- e, 9–11. h, Major; Reading and Composition, 1. rpieces of Italian Literature, Elec- e, 9–11. omics and Politics, Major, 9–12. tian Art, Elective, 9–11. , Post-Major; Aristophanes, 2–3.15. , Post-Major; Composition, 2–3.15.	Latin, Major; Tacitus, 9–11. English, General; Literature, 2nd year, 9–11. English Ballad, Elective, 9–10.15. German, Minor; Reading and Grammar, 9–11. Spanish, Minor, 9–12. History, Major; Modern, 9–12. Philosophy, Major, 9–11. Graphical Mathematics, Elective, 9–10.15. Physics, Post-Major, 9–12. Geology, Major, 9–12. Biology, Minor, 9–12. French, Post-Major; Teachers' Course, 2–3.15. Chemistry, Post-Major, 2–5.

SCHEDULE OF COLLEGIATE EXAMINATIONS, FIRST SEMESTER, 1909-10.

		WEDNESDAY, JANUARY 19TH.	THURSDAY, JANUARY 20TH.	FRIDAY, JANUARY 21ST.	SATURDAY, JANUARY 22ND.
		Greek, Matriculation, 9-12. Greek, Minor; Plato, 9-11. Greek, Minor; Composition, 11-12.15. German, Matriculation, 9-12. German, Major; Literature and Reading, 9-11. French, Matriculation, 9-12. French, Minor; Literature and Reading, 9-11. History, Minor; Mediæval, 9-12. Philosophy, General, 9-11. Mathematics, Minor, A, 9-11. Chemistry, Minor, 9-12. Meteorology, Elective, 9-11. Biology, Post-Major; Nervous System, 9-10.15. Theoretical Biology, Elective, 10.30-11.45.	Latin, Post-Major; Roman Satire, 9-11. Descriptive and Narrative Writing, Elective, 9-11. Argumentation, Elective, 9-11. Middle High German, Post-Major, 9-10.15 History, Post-Major, Reform Period, 9-11. Education, Elective, 9-11. Latin, Post-Major; Roman History, 2-4. Critical Writing, Elective, 2-4. German, Post-Major; Literature and Reading, 2-4. French, Post-Major; The Short Story, 2-4. Economics, Post-Major; Theoretical Sociology, 2-4. Roman Law, Elective, 2-3.15. Philosophy, Post-Major; Hegel, 2-4.	Greek, Major; Literature, 9-11. Latin, Minor; Horace, 9-11. English, Minor; Anglo-Saxon, 9-11. English, Elective; Victorian Poetry, 9-11. English, Elective; Non-dramatic Literature, 9-11. French, Major; Reading and Composition, 9-11. Masterpieces of Italian Literature, Elective, 9-11. Economics and Politics, Major, 9-12. Egyptian Art, Elective, 9-11. Greek, Post-Major; Aristophanes, 2-3.15. Latin, Post-Major; Composition, 2-3.15.	Latin, Major; Tacitus, 9-11. English, General; Literature, 2nd year, 9-11. English Ballad, Elective, 9-10.15. German, Minor; Reading and Grammar, 9-11. Spanish, Minor, 9-12. History, Major; Modern, 9-12. Philosophy, Major, 9-11. Graphical Mathematics, Elective, 9-10.15. Physics, Post-Major, 9-12. Geology, Major, 9-12. Biology, Minor, 9-12. French, Post-Major; Teachers' Course, 2-3.15. Chemistry, Post-Major, 2-5.
MONDAY, JANUARY 24TH.	TUESDAY, JANUARY 25TH.	WEDNESDAY, JANUARY 26TH.	THURSDAY, JANUARY 27TH.	FRIDAY, JANUARY 28TH.	SATURDAY, JANUARY 29TH.
General; Literature, 1st yr., 9-11. Minor, Mid. Eng. Poetry, 9-11. Major, Classical and Romantic, 9-11 Major, 9-11. Major, 9-12. History, Minor, 9-12. Politics, Minor, 9-12. Minor, 9-11. Major, A, 9-11. Minor, 9-12. Major, 9-12. Post-Major, 9-11. Psychology, Post-Major, -4 Post-Major, Theory of [illegible], 2-4.	Greek, Minor; Homer, 9-11. German, Major; Prose Composition, 9-10.15. German, Major; Faust, 10.30-11.45. French, Minor; Reading and Composition, 9-11. Old Testament Canon, Elective, 9-10.15. Psychology, General, 9-11. Mathematics, Minor, B, 9-11. Writers of Queen Anne Period, Elective, 2-3.15. Biology, Post-Major, 2-3.15.	Greek, Post-Major; Æschylus, 9-11. Spanish, Post-Major, 9-11. New Testament Biography, Elective, 9-11. Economics, Post-Major; Industrial Problems, 9-11. Methods of Social Research, Elective, 9-11. Philosophy, Post-Major; Metaphysics, 9-11. Mathematics, Post-Major; Geometry, 9-11. Italian Painting, Elective, 9-11. Latin, Post-Major; Lucretius, 2-4. Elocution, Elective; Reading of Shakespeare, 2-3.15. French, Post-Major; The Novel, 2-4. History, Post-Major; American Constitutional, 2-4.	Latin, Major; Literature, 9-11. English, General; Composition, 2nd year, 9-11. German, Minor; Literature, 9-11. German, Syntax and Composition, Elective, 9-11. Logic, Elective, 9-10.15. Psychology, Major, 9-11. Applied Mathematics, Elective, 9-11. Rousseau's Philosophy, Elective, 2-3.15.	Greek, Major; Demosthenes, 9-11. Greek, Major; Aristophanes, 11-12.15. Latin, Minor; Livy and Composition, 9-12.15. English, Minor; 19th Century Critics, 9-11. French, Major; Literature and Reading, 9-11. Italian, Minor, 9-11. History of Architecture, Elective, 9-11. Physics, Major, 9-12. Geology, Minor, 9-12. Biology, Major, 9-12.	English, General; Composition, 1st year, 9-11. English, Minor; English Drama, 9-11. Psychology, Minor, 9-11. Mathematics, Major, B, 9-11. Biology, Post-Major; Embryology, 2-3.15.

SCHEDULE OF MATRICULATION EXAMINATIONS, JANUARY-FEBRUARY, 1910.

	TUESDAY, JANUARY 25TH.	WEDNESDAY, JANUARY 26TH.	THURSDAY, JANUARY 27TH.	FRIDAY, JANUARY 28TH.	SATURDAY, JANUARY 29TH.
	English Composition, 9.30-12.30. English Grammar, etc., 2.30-4.30. Greek Poets, 4.45-5.45.	Algebra, 9.30-12. Latin Poets, 2.30-4. Greek Composition, 4.15-5.15.	French, 9.30-12.30. History, 2.30-4. Greek Prose Authors, 4.15-5.15.	Geometry, 9.30-12. Latin Composition, 2.30-4. Science, 4.15-5.45.	German, 9.30-12.30. Latin Prose Authors, 2.30-4.30.
MONDAY, JANUARY 31ST.	TUESDAY, FEBRUARY 1ST.				
Latin, Section A, 9.30-12.30. metry, 2.30-4.30.	Minor Latin, Section B, 9.30-12.30. Solid Geometry, 2.30-4.30.				

SCHEDULE OF COLLEGIATE EXAMINATIONS, SECOND SEMESTER, 1909-10.

		WEDNESDAY, MAY 18TH.	THURSDAY, MAY 19TH.	FRIDAY, MAY 20TH.	SATURDAY, MAY 21ST.
		English, General; Composition, 1st year, 9-11. English, Minor; English Drama, 9-11. Economics and Politics, Minor, 9-12. Psychology, Minor, 9-11. Mathematics, Major, A, 9-11. Chemistry, Major, 9-12. Mathematics, Post-Major; Modern Algebra, 2-4. Biology, Post-Major; Embryology, 2-3.15.	Latin, Post-Major; Roman Satire, 9-11. Descriptive and Narrative Writing, Elective, 9-11. Argumentation, Elective, 9-11. Middle High German, Post-Major, 9-10.15. History, Post-Major; Imperialism, 9-11. Education, Elective, 9-11. Latin, Post-Major; Horace and Catullus, 2-4. Critical Writing, Elective, 2-4. German, Post-Major; Literature and Reading, 2-4. French, Post-Major; The Short Story, 2-4. Economics, Post-Major; Theoretical Sociology, 2-4. Roman Law, Elective, 2-3.15. Philosophy, Post-Major; Hegel, 2-4.	Greek, Matriculation, 9-10.30. Greek, Minor; Euripides, 9-11. Greek, Minor; Composition, 11-12.15. German, Matriculation, 9-10.30. German, Major; Literature and Reading, 9-11. French, Matriculation, 9-10.30. French, Minor; Literature and Reading, 9-11. History, Minor; Mediæval, 9-12. Philosophy, General, 9-11. Mathematics, Minor, A, 9-11. Chemistry, Minor, 9-12. Oceanography, Elective, 9-11. Biology, Post-Major; Nervous System, 9-10.15. Theoretical Biology, Elective, 10.30-11.45.	Greek, Major; Literature, 9-11. Latin, Minor; Horace, 9-11. English, Minor; Anglo-Saxon, 9-11. English, Elective; Victorian Poetry, 9-11. English, Elective; Non-dramatic Literature, 9-11. French, Major; Reading and Composition, 9-11. Masterpieces of Italian Literature, Elective, 9-11. Economics and Politics, Major, 9-12. Egyptian Art, Elective, 9-11. Biology, Major; Comparative Anatomy, 9-11. Greek, Post-Major; Sophocles, 2-3.15. Latin, Post-Major; Composition, 2-3.15.
MONDAY, MAY 23RD.	TUESDAY, MAY 24TH.	WEDNESDAY, MAY 25TH.	THURSDAY, MAY 26TH.	FRIDAY, MAY 27TH.	SATURDAY, MAY 28TH.
Latin, Major; Comedy, 9-11. English, General; Literature, 2nd year, 9-11. English Ballad, Elective, 9-10.15. German, Minor; Reading and Grammar, 9-11. Spanish, Minor, 9-12. History, Major; Modern, 9-12. Philosophy, Major, 9-11. Graphical Mathematics, Elective, 9-10.15. Physics, Post-Major, 9-12. Geology, Major, 9-12. Biology, Minor; Vetebrates, 9-11. French, Post-Major; Teachers' Course, 2-3.15. Chemistry, Post-Major, 2-5.	English, General; Literature, 1st year, 9-11. English, Minor; Chaucer, 9-11. English, Major; Classical and Romantic Prose, 9-11. Italian, Major, 9-11. Spanish, Major, 9-12. Oriental History, Minor, 9-12. Philosophy, Minor, 9-11. Mathematics, Major, B, 9-11. Physics, Minor, 9-12. Geology, Post-Major, 9-11. Experimental Psychology, Post-Major, 2-4.	Greek, Post-Major; Pindar, 9-11. Spanish, Post-Major, 9-11. New Testament Biography, Elective, 9-11. Economics, Post-Major; Industrial Problems, 9-11. Methods of Social Research, Elective, 9-11. Philosophy, Post-Major; Metaphysics, 9-11. Mathematics, Post-Major; Geometry, 9-11. Italian Painting, Elective, 9-11. Latin, Post-Major; Cicero and Cæsar, 2-4. Elocution, Elective; Reading of Shakespeare, 2-3.15. French, Post-Major; The Novel, 2-4. History, Post-Major; American Constitutional, 2-4.	Greek, Minor; Homer, 9-11. German, Major; Prose Composition, 9-10.15. German, Major, Faust, 10.30-11.45. French, Minor; Reading and Composition, 9-11. Old Testament Canon, Elective, 9-10.15. Psychology, General, 9-11. Mathematics, Minor, B, 9-11. Writers of Queen Anne Period, Elective, 2-3.15. Biology, Post-Major, 2-3.15.	Latin, Major; Literature, 9-11. English, General; Composition, 2nd year, 9-11. German, Minor; Literature, 9-11. German Syntax and Composition, Elective, 9-11. Logic, Elective, 9-10.15. Rousseau's Philosophy, Elective, 10.30-11.45. Psychology, Major, 9-11. Applied Mathematics, Elective, 9-11. Biology, Minor; Embryology, 9-10. Greek, Post-Major; Theocritus, 2-3.15.	Greek, Major; Thucydides, 9-11. Greek, Major; Sophocles, 11-12.15. Latin, Minor; Cicero and Prose Composition, 9-12.15. English, Minor; 19th Century Critics, 9-11. French, Major; Literature and Reading, 9-11. Italian, Minor, 9-11. History of Architecture, Elective, 9-11. Physics, Major, 9-12. Geology, Minor, 9-12. Biology, Major; Zoology, 9-11.

SCHEDULE OF MATRICULATION EXAMINATIONS, SPRING, 1910.

			THURSDAY, MAY 26TH.	FRIDAY, MAY 27TH.	SATURDAY, MAY 28TH.
			Minor Latin, Section A, 9.30-12.30. Trigonometry, 9.30-11.30. Minor Latin, Section B, 2.30-5.30. Solid Geometry, 2.30-4.30.	English Composition, 9.30-12.30. English Grammar, etc., 2.30-4.30. Greek Poets, 4.45-5.45.	Algebra, 9.30-12. Latin Poets, 2.30-4. Greek Composition, 4.15-5.15.
MONDAY, MAY 30TH.	TUESDAY, MAY 31ST.	WEDNESDAY, JUNE 1ST.			
French, 9.30-12.30. History, 2.30-4. Greek Prose Authors, 4.15-5.15.	Geometry, 9.30-12. Latin Composition, 2.30-4. Science, 4.15-5.45.	German, 9.30-12.30. Latin Prose Authors, 2.30-4.30.			

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it; on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

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BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

1910

THE LIBRARY OF THE
1928
UNIVERSITY OF ILLINOIS

BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College,
May, 1910.

Volume III. Part 3.

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Philadelphia, Penna.

BRYN MAWR COLLEGE CALENDAR.

1910.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1910.

JANUARY.

Su.	M.	Tu.	W.	Th.	Fr.	Sa.
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OCTOBER.

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1911.

JANUARY.

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FEBRUARY.

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MARCH.

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MAY.

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JUNE.

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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 8th, 1911.

Academic Year, 1910–11.

September 27th.	Matriculation examinations begin.
October 3rd.	Registration of students. Halls of Residence open for students at three p. m.
October 4th.	Registration of students.
	Matriculation examinations end.
October 5th.	The work of the twenty-sixth academic year begins at a quarter to nine o'clock.
October 6th.	Examinations for advanced standing begin.
October 27th.	Examinations for advanced standing end.
October 22nd.	Senior oral examination in French.
October 29th.	Senior oral examination in German.
November 14th.	Private reading examinations begin.
	Collegiate and matriculation condition examinations begin.
November 19th.	Private reading examinations end.
November 22nd.	Collegiate and matriculation condition examinations end.
November 23rd.	Thanksgiving vacation begins at one o'clock.
November 28th.	Thanksgiving vacation ends at nine o'clock.
December 3rd.	Senior oral examinations in French and German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 16th.	Private reading examinations begin.
January 21st.	Private reading examinations end.
January 25th.	Half-yearly collegiate examinations begin.
January 31st.	Matriculation examinations begin.
February 4th.	Collegiate examinations end.
	Annual meeting of the Alumnæ Association.
February 6th.	Vacation.
February 7th.	Vacation.
	Matriculation examinations end.
February 8th.	The work of the second semester begins at a quarter to nine o'clock.
February 9th.	Examinations for advanced standing begin.
March 2nd.	Examinations for advanced standing end.
March 13th.	Private reading examinations begin.
March 18th.	Private reading examinations end.
	Senior oral examinations in French and German.
March 29th.	Mid-semester examinations in matriculation Greek, German and French.
April 3rd.	Collegiate and matriculation condition examinations begin.
April 11th.	Collegiate and matriculation condition examinations end.
April 12th.	Easter vacation begins at one o'clock.
April 20th.	Easter vacation ends at nine o'clock.

May 13th.	Senior oral examinations in French and German.
May 15th.	Private reading examinations begin.
May 20th.	Private reading examinations end.
May 23rd.	Vacation.
May 24th.	Collegiate examinations begin.
June 1st.	Matriculation examinations begin.
June 3rd.	Collegiate examinations end.
June 7th.	Matriculation examinations end.
June 8th.	Conferring of degrees and close of twenty-sixth academic year.

ACADEMIC YEAR 1911–12.

September 26th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the twenty-seventh academic year begins at a quarter to nine o'clock.

EXAMINATIONS FOR MATRICULATION.

Examinations for matriculation are held during the week preceding the opening of each academic year, during the last week but one of each academic year, and during the last week of the first semester of each year.

Spring, 1910

Thursday, May 26.

Minor Latin, A,	9½—12½
Trigonometry,	9½—11½
Minor Latin, B,	2½—5½
Solid Geometry,	2½—4½

Friday, May 27.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Saturday, May 28.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Monday, May 30.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Tuesday, May 31.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Wednesday, June 1

German,	9½—12½
Latin Prose Authors,	2½—4½

Autumn, 1910.

Tuesday, September 27.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, September 28.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, September 29.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, September 30.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, October 1.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, October 3.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, October 4.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Winter, 1911.

Tuesday, January 31.

English Composition,	9½—12½
English Grammar,	2½—4½
Greek Poets	4¾—5¾

Wednesday, February 1.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, February 2.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, February 3.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, February 4.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, February 6.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, February 7.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Spring, 1911.

Thursday, June 1.

Minor Latin, A,	9½—12½
Trigonometry,	9½—11½
Minor Latin, B,	2½—5½
Solid Geometry,	2½—4½

Friday, June 2.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Saturday, June 3.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Monday, June 5.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Tuesday, June 6.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Wednesday, June 7.

German,	9½—12½
Latin Prose Authors,	2½—4½

Autumn, 1911.

Tuesday, September 26.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, September 27.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, September 28.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, September 29.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, September 30.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, October 2.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, October 3.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Winter, 1912.

Tuesday, January 30.

English Composition,	9½—12½
English Grammar,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, January 31.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, February 1.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, February 2.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, February 3.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, February 5.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, February 6.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

CORPORATION.

HOWARD COMFORT,
President.

ASA S. WING,
Treasurer.

EDWARD BETTLE, JR.,
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M. CAREY THOMAS.
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CHARLES J. RHOADS.
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FREDERIC H. STRAWBRIDGE.

BOARD OF DIRECTORS.

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ELIZABETH BUTLER KIRKBRIDE.
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CHARLES J. RHOADS.
THOMAS RAEBURN WHITE.
FREDERIC H. STRAWBRIDGE.
ANNA RHOADS LADD.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1909-10.

President,

M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.

Assistant to the President,

ISABEL MADDISON, B.SC., PH.D.
Office: Taylor Hall.

Dean of the College,

MARION REILLY, A.B.
Office: The Library.

Wardens of the Halls of Residence.

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.
ALICE ANTHONY, A.B., Denbigh Hall.
VIRGINIA TRYON STODDARD, A.B., Radnor Hall.
HARRIET JEAN CRAWFORD, A.B., Rockefeller Hall.
BERTHA MARGARET LAWS, A.B., Pembroke Hall.
FRIEDRIKA MARGRETHA HEYL, A.B., Merion Hall.

Secretary,

ANNA BELL LAWTHER, A.B. Office: Taylor Hall.

Recording and Appointment Secretary,

ETHEL WALKER, A.M. Office: Taylor Hall.

Librarian,

MARY LETITIA JONES, B.L., B.L.S. Office: The Library.

Director of Athletics and Gymnastics,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Comptroller,

JAMES G. FORRESTER. Office: Taylor Hall.

Business Manager,

CHARLES A. WORDEN. Office: Taylor Hall.

Junior Bursar,

MAY L. MANNING. Office: Rockefeller Hall.

Attending Physician of the College,

THOMAS F. BRANSON, M.D. Office hours, daily, 8 to 9.30 and 2 to 3, Rosemont, Penna.

Visiting Physician of the College,

ANNE HEATH THOMAS, M.D. Office hours, daily, 1.30 to 3, 132 South 18th Street, Philadelphia; Merion Hall, Bryn Mawr College, daily except Sunday, 4 to 6.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1909-10.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.SC., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871-72; University of Leipsic, 1872-73; University of Bonn, 1873-79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881-91; Lecturer in Medical Department of the University of the City of New York, 1885-86; Lecturer in Physiology, University of Michigan, 1889.

ELMER P. KOHLER, PH.D., *Professor of Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889-91; Fellow in Chemistry, Johns Hopkins University, 1891-92; Ph.D., Johns Hopkins University, 1892.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.SC., PH.D., *Assistant to the President and Associate in Mathematics.*

Reading, England. B.Sc., University of London, 1893, Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education and Director of the Psychological Laboratory.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ALBERT SCHINZ, PH.D., *Associate Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS,* PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

J. EDMUND WRIGHT,† M.A., *Associate Professor of Mathematics.*

Liverpool, England. Graduate in Honours (Senior Wrangler) in the Cambridge Mathematical Tripos, 1900, and First Division, First Class, Mathematical Tripos, Part II, 1901; Smith's Prizeman, 1902; Fellow of Trinity College, University of Cambridge, England.

LUCY MARTIN DONNELLY, A.B., *Associate Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94, Sorbonne and Collège de France, and University of Leipsic, 1894-95.

CLARENCE CARROLL CLARK, PH.D., *Associate Professor of English.*

A.B., Johns Hopkins University, 1896; Ph.D., Yale University, 1903; Scholar in Romance Languages, Johns Hopkins University, 1896-97; Instructor in Modern Languages, Toledo, Ohio, 1897-99; Scholar in English, Yale University, 1901-02; Student in Oxford, Cambridge, and Berlin, 1902-03.

KARL DETLEV JESSEN, PH.D., *Associate Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-99, 1899-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Associate Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

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*Granted leave of absence for the second semester, 1909-10.

†Died, February 20, 1910.

David Hilt Tennent, Ph.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

Nettie Maria Stevens, Ph.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903; Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897, 1898, 1899, and 1900; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Holder of the President's European Fellowship, 1901-02; Student, Zoological Station, Naples, and University of Würzburg, 1901-02, 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03, and Research Fellow in Biology, 1903-04; Carnegie Research Assistant, 1904-05; Alice Freeman Palmer Research Fellow, 1908-09.

Carleton Fairchild Brown, Ph.D., *Associate Professor and Professor (elect) of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

Caroline Louise Ransom, Ph.D., *Associate Professor of the History of Art and Classical Archæology.*

A.B., Mt. Holyoke College, 1896; A.M., University of Chicago, 1900 and Ph.D., 1905; Fellow, University of Chicago, 1898-99, 1903-05; Student in Berlin, London, Paris, and Athens, 1900-03.

James Barnes, Ph.D., *Associate in Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

Richard Thayer Holbrook, Ph.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

Theodore de Leo de Laguna, Ph.D., *Associate Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

Charles Clarence Williamson, Ph.D., *Associate in Economics and Politics.*

A.B., Western Reserve University, 1904; Ph.D., Columbia University, 1907. Assistant in Economics and Graduate Student, Western Reserve University, First Semester, 1904-05; Scholar in Political Economy, University of Wisconsin, 1904-05; Graduate Student, University of Wisconsin, 1905-06; University Fellow in Political Economy, Columbia University, 1906-07; Research Assistant of the Carnegie Institution, 1905-07.

Hans Weyhe, Ph.D., *Associate in Teutonic Philology and Sanskrit.*

Dessau, Germany. Ph.D., University of Leipsic, 1903; University of Munich, 1897; University of Leipsic, 1897-99; University of Berlin, 1899-1901.

Marion Parris, Ph.D., *Associate in Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

William Henry Allison, Ph.D., *Associate in History.*

A.B., Harvard University, 1893 ; B.D., Newton Theological Institution, 1902 ; Ph.D., University of Chicago, 1905 ; Fellow in Church History, University of Chicago, 1902-04 ; Professor of Church History, Pacific Theological Seminary, 1904-05 ; Professor of History and Political Science, Franklin College, 1905-08 ; Research Assistant of the Carnegie Institution, 1906-08.

Frederick Hutton Getman, Ph.D., *Associate in Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96 ; University of Virginia, 1896-97 ; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04 ; Carnegie Research Assistant in Physical Chemistry, 1903-04 ; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

M. Phillips Mason, Ph.D., *Associate in Philosophy.*

A.B., Harvard University, 1899, A.M., 1900, and Ph.D., 1904. Corpus Christi College, University of Oxford, 1899-1900 ; Universities of Heidelberg and Berlin, 1900-01 ; University of Marburg, 1901-02 ; Sorbonne and Collège de France, 1902 ; Harvard University, 1902-04 ; John Harvard Fellow of Harvard University, 1902-03 ; Instructor in Philosophy, Princeton University, 1905-07.

Clarence Errol Ferree, Ph.D., *Associate in Experimental Psychology.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902 ; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03 ; Assistant in Psychology, Cornell University, 1903-07.

Alfred Horatio Upham, Ph.D., *Associate Professor (elect) of English Literature.*

A.B., Miami University, 1897, and A.M., 1898 ; A.M., Harvard University, 1901 ; Ph.D., Columbia University, 1908. Instructor in Latin and Greek, Miami University, 1897-1900 ; Graduate Student, Harvard Unversity, 1900-02 ; Professor of English, Agricultural College of Utah, 1902-05 ; Columbia of English, Miami University, 1906-08, and Professor of English and Head of the Department, 1908-10.

Marion Reilly, A.B., *Dean of the College.*

A.B., Bryn Mawr College, 1901 ; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06 ; Newnham College, University of Cambridge, Spring, 1907.

Samuel Arthur King, M.A., *Non-Resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901 ; Special Lecturer in Elocution, University of California, 1902.

Orie Latham Hatcher, Ph.D., *Lecturer in Elizabethan Literature and Associate (elect) in Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

Chester Albert Reeds, M.S., *Lecturer in Geology.*

B.S., University of Oklahoma, 1905 ; M.S., Yale University, 1907 ; Graduate Scholar, Yale University, 1905-06 ; and Fellow, 1906-08. Field Assistant, U. S. Geological Survey, 1903-06 ; Instructor in Mineralogy and Petrology, University of Oklahoma, February to June, 1908.

Frederick A. Blossom, *Lecturer in French.*

A.B., Amherst College, 1898 ; Johns Hopkins University, 1903-04, 1909. Student of Romance Languages in Paris and Grenoble, 1905-08.

Roland G. Kent, Ph.D., *Non-resident Lecturer in Sanskrit.*

A.B., Swarthmore College, 1895, B.L., 1896 and A.M., 1898. Ph.D., University of Pennsylvania, 1903. Student, Universities of Berlin and Munich and the American School of Classical Studies at Athens, 1899-1902 ; University of Pennsylvania, Second Semester, 1902, Harrison Fellow in Classics, 1902-03, Harrison Research Fellow in Classics, 1903-04, Instructor in Greek and Latin, 1904-09, and Assistant Professor of Comparative Philology, 1909-10.

ROSE CHAMBERLIN, M.A., *Reader in German.*

Great Yarmouth, England. M.A., Trinity College, Dublin, 1905; Graduate in Honours, Newnham College, University of Cambridge, England, 1886 (Mediæval and Modern Languages Tripos, First Class).

HARRIET RANDOLPH, PH.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

KATHARINE FULLERTON, A.M., *Reader in English.*

A.B., Radcliffe College, 1900, and A.M., 1901.

REGINA KATHARINE CRANDALL, PH.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

GEORGIANA GODDARD KING, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

MAUD DOWNING, A.B., *Reader in Semitic Languages.*

A.B., University of Toronto, 1902. Graduate Student, University of Toronto, 1902-03; Graduate Scholar, Bryn Mawr College, 1903-07; Honorary Fellow in Semitic Languages, Johns Hopkins University, 1908-09.

CLARA LEONORA NICOLAY,* PH.D., *Reader of Elementary French.*

Berlin, Germany. L.L.A., St. Andrew's University, 1900; A.M., University of Pennsylvania, 1901, and Ph.D., 1907. University College, Nottingham, England, 1892-97; Student in France and Germany, 1903.

VIRGINIA RAGSDALE, PH.D., *Reader in Mathematics.*

S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97, 1907-08. A.B., Bryn Mawr College, 1896, and Ph.D., 1906. Holder of the Bryn Mawr European Fellowship, and Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02, and Fellow in Mathematics, 1902-03.

LILLIE DEMING LOSHE, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1899; A.M., Columbia University, 1903, and Ph.D., 1908. Graduate Student, Barnard College, 1899-1900; Columbia University, 1901-04, First Semester, 1904-05, and 1905-07.

CONTENT SHEPARD NICHOLS, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1899, and A.M., 1900. Graduate Scholar in Latin and English, Bryn Mawr College, 1899-1900; Assistant Reader in English, Bryn Mawr College, 1900.

ELIZABETH ANDROS FOSTER, A.M., *Reader in Latin.*

A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09.

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*Resigned March 1, 1910.

Isabelle Stone, Ph.D., *Reader in Greek.*

A.B., Wellesley College, 1905, and Ph.D., Cornell University, 1908. Graduate Student, Cornell University, 1905-07, and Fellow in Greek and Latin, 1907-08; Alice Freeman Palmer Fellow of Wellesley College and Student in Greece and Italy, 1908-09.

Helen Elizabeth Huff, Ph.D., *Reader in Mathematics.*

A.B., Dickinson College, 1903, A.M., 1905, and Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, Pa., 1907-08.

Emma Haeberli, Ph.D., *Reader (elect) in Elementary French.*

Berne, Switzerland, Ph.D., University of Berne, 1903. Graduate Student, University of Berne, and Tutor in French and German, 1904-05, 1906-09; Instructor in French and German, Virginia College, Roanoke, Va., 1909-10.

Martha Plaisted, A.B., *Reader (elect) in English.*

A.B., Bryn Mawr College, 1908. Instructor in English, Sweet Briar College, 1908-10.

Frances Lowater, B.Sc., Ph.D., *Demonstrator in Physics.*

Nottingham, England. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906; University College, Nottingham, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Fellow in Physics, Bryn Mawr College, 1896-97, and Graduate Scholar in Physics, 1897-98; Secretary of Bryn Mawr College, 1898-99.

Gertrude Langden Heritage, A.M., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student in Chemistry, Bryn Mawr College, 1896-97, 1898-1900, and Graduate Student in Mathematics and Chemistry, 1897-98.

Caroline Vinia Lynch, A.M., *Demonstrator in the History of Art and Classical Archæology.*

A.B., Smith College, 1894, and A.M., Columbia University, 1908. American School of Classical Studies in Rome, 1904-05; Columbia University, 1906-07; Radcliffe College, 1895-96, 1907-09.

Anna Bell Lawther, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1897. Assistant Bursar, Bryn Mawr College, 1898-1900; Graduate Student, Bryn Mawr College, 1898-99, 1904-05; Warden of Merion Hall, 1904, 1904-05.

Ethel Walker, A.M., *Recording Secretary and Appointment Secretary.*

A.B., Bryn Mawr College, 1894, and A.M., 1904. Graduate Scholar in Archæology, Bryn Mawr College, 1902-04; Recording Secretary, 1904-06, 1907-10, and Appointment Secretary, 1905-10.

Mary Letitia Jones, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1892. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892-97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898-99, and Librarian, 1900-05.

Constance M. K. Applebee, *Director of Athletics and Gymnastics.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

Elizabeth Lawrence Gray, *Assistant Director of Athletics and Gymnastics.*

Graduate, Sargent Normal School of Physical Education, Boston, Mass., 1908; Student, Gilbert Summer Normal School of Classic Dancing, 1908; Instructor in Gymnastics, Playgrounds, Cambridge, Mass., Summer, 1908, 1909.

Mary Ellen Baker, A.B., B.L.S., *Head Cataloguer.*

A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908. Assistant in Latin, Missouri Valley College, 1901-05, and Librarian, 1902-06. Illinois State Library School, 1906-07; New York State Library School, 1907-08.

Bessie Homer Jennings, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

Mary Warren Taylor, *Secretary to the Director of Athletics and Gymnastics.*

Thomas F. Branson, M.D., *Attending Physician of the College.*

Anne Heath Thomas, A.M., M.D., *Visiting Physician of the College.*

A.B., Bryn Mawr College, 1897, and A.M., 1898. M.D., Woman's Medical College of Pennsylvania, 1905. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1897-98; Teacher of Chemistry in the State Normal School, Trenton, N. J., 1898-1902; Student, Woman's Medical College of Pennsylvania, 1902-05; Interne, Woman's Hospital of Philadelphia, 1905-06; Resident at the Evening Dispensary for Working Women and Girls, Baltimore, Md., and Graduate Student in Medicine, Johns Hopkins University, 1906-07; Physician, Registrar and Assistant in Clinic in the Woman's Hospital, Philadelphia, and Assistant in Clinic in the Hospital of the Woman's Medical College of Pennsylvania, 1907-08; Instructor in Therapeutics and Physical Diagnosis, Woman's Medical College, and Assistant Visiting Physician, Bryn Mawr College, 1908-09.

Helen Murphy, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants in special cases:

Ella B. Everitt, M.D., *Consultant Gynecologist.*

John H. Musser, M.D., *Consultant Physician.*

George de Schweinitz, M.D., *Consultant Oculist.*

Robert G. Le Conte, M.D., *Consultant Surgeon.*

Francis R. Packard, M.D., *Consultant Aurist.*

James K. Young, M.D., *Consultant Orthopœdist.*

The Academic Committee of the Alumnæ.

Ruth Wadsworth Furness Porter, A.B. (Mrs. James Foster Porter), *Chairman*, HUBBARD WOODS, ILL.

Evelyn Walker, A.B., *Secretary*, 119 *Park Street*, BROOKLINE, MASS.

Susan Fowler, A. B. (*ex-officio*), 420 *West* 118*th Street*, NEW YORK CITY.

Eleanor Louisa Lord, PH.D., *Woman's College of Baltimore*, BALTIMORE, MD.

Bertha Haven Putnam, Ph.D., *Mt. Holyoke College*, South Hadley, Mass.

Gertrude Elizabeth Dietrich Smith, A.B. (Mrs. Herbert Knox Smith), The Highlands, Washington, D. C.

Louise Parke Atherton Dickey, A.B. (Mrs. Samuel Dickey), 10 *Chalmers Place*, Chicago, Ill.

Helen J. Robins, A.B., 23 *Gowen Avenue*, Mt. Airy, Philadelphia.

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college:

New York City: Miss Emily Redmond Cross, 6 *Washington Square.*

Philadelphia: Mrs. Adolph E. Borie, 618 *S. Washington Square.*

Baltimore: Mrs. Anthony Morris Carey, 1004 *Cathedral Street.*

Pittsburgh, Pa.: Mrs. John Bruce Orr, 628 *Maple Lane, Sewickley, Pa.*

Scranton, Pa.: Miss Alice Belin.

Syracuse, N. Y.: Mrs. Frederick A. Saunders, 504 *Ostrom Avenue.*

Utica, N. Y.: Mrs. Arthur Percy Saunders, *Clinton, N. Y.*

New Haven, Conn.: Miss Elizabeth Day Seymour, 34 *Hillhouse Avenue.*

Boston, Mass.: Mrs. Ingersoll Bowditch, 19 *Buckingham Street, Cambridge.*

Fall River, Mass.: Mrs. Randall Nelson Durfee, 435 *Cherry Street.*

Washington, D. C.: Mrs. Herbert Knox Smith, *The Highlands.*

Winston, N. C.: Miss Caro Fries Buxton, 520 *Summit Street.*

Chicago, Ill.: Miss Ethel Eugenie Hooper, 1210 *Astor Street.*

Indianapolis, Ind.: Mrs. Frank Nichols Lewis, 4 *West St. Joe Street.*

Madison, Wis.: Mrs. Moses Stephen Slaughter, 633 *Francis Street.*

Minneapolis, Minn.: Miss Margaret Washburn, 2218 *First Avenue, South.*

St. Louis, Mo.: Mrs. George Gellhorn, 3871 *Washington Avenue.*

Portland, Ore.: Mrs. Henry Minor Esterly, 376 *North* 31*st Street.*

Los Angeles, Cal.: Miss Elizabeth Dana Marble, 3201 *Figueroa Street.*

Salt Lake City, Utah: Miss Kate Williams, 177 13*th East Street.*

England: The Hon. Mrs. Bertrand Russell, *Bagley Wood, Oxford.*

STUDENTS.

Fellows and Graduate Students, Academic Year, 1909-10.

BONTECOU, MARGARET, ...*Bryn Mawr European Fellow.*

Orange, N. J. A.B., Bryn Mawr College, 1909. Maria L. Eastman Brooke Hall Memorial Scholar, 1908-09.

SWINDLER, MARY HAMILTON, ...*Mary E. Garrett European Fellow.*

Bloomington, Ind. A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Student, Universities of Oxford and Berlin, and American School of Classical Studies, Athens, 1909-10.

HARMON, ESTHER,
Ottendorfer Memorial Research Fellow in Teutonic Philology.

Toledo, O. A.B., University of Michigan, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07. Holder of the President's European Fellowship and Student, University of Berlin, 1907-08; Fellow in German and Teutonic Philology, Bryn Mawr College, 1908-09; Student, University of Munich, 1909-10.

SANDISON, HELEN ESTABROOK, ...*Special European Fellow.*

Terre Haute, Ind. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906-07; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Student, University of Oxford, 1909-10.

SPENCER, FANNIE GRACE CLARA, ...*Research Fellow in Chemistry.*

Terre Haute, Ind. A.B., University of Illinois, 1908, and A.M., 1909.

COULTER, CORNELIA CATLIN, ...*Fellow in Latin.*

Ferguson, Mo. A.B., Washington University, 1907. Graduate Scholar in Latin, Bryn Mawr College, 1907-08; Holder of the President's European Fellowship and Student, University of Munich, 1908-09.

SMITH, EUNICE CLARA, ...*Fellow in English.*

Pawtucket, R. I. A.B., Brown University, 1907, and A.M., 1909.

HARRISON, JANE ANNETTA, ...*Fellow in German.*

La Plata, Mo. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Graduate Student, University of Missouri, 1908-09.

KING, HELEN MAXWELL, ...*Fellow in Romance Languages.*

Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09.

SHOEMAKER, JANE CUSHING, ...*Fellow in Economics and Politics.*

Philadelphia. A.B., Bryn Mawr College, 1905. Graduate Student, Bryn Mawr College, 1907-08.

RAND, MARIE GERTRUDE, ...*Fellow in Philosophy.*

Brooklyn, New York City. A.B., Cornell University, 1908. Graduate Scholar in Psychology, 1908-09.

BOWERMAN, HELEN COX, ...*Fellow in Archæology.*

Point Pleasant, N. J. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archæology, Bryn Mawr College, 1908-09.

WEEKS, EULA ADELINE, ...*Fellow in Mathematics.*

Butler, Mo. A.B. and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05.

FREHAFER, MABEL KATHRYN, ...*Fellow in Physics.*

Philadelphia. A.B., Bryn Mawr College, 1908. Graduate Student in Physics, University of Wisconsin, 1908-09.

MACLEOD, ANNIE LOUISE, ...*Fellow in Chemistry.*

Grace Bay, Nova Scotia. A.B., McGill University, 1904, and M.Sc., 1905. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09.

JARVIS, MAY MASON, ...*Fellow in Biology.*

Austin, Tex. A.B., University of Texas, 1906, and A.M., 1908. Tutor in Zoology, University of Texas, 1907-09.

MASSEY, ISABELLA MELLIS, ...*British Graduate Scholar.*

London, England. Girton College, University of Cambridge, 1905-09. Mediæval and Modern Languages Tripos, Part I, Class I, 1908, Part II, Class II, 1909.

MAY, ELSIE GERTRUDE, ...*British Graduate Scholar.*

Birmingham, England. Mason College, Birmingham, 1893-97; St. Hugh's Hall, University of Oxford, 1897-99. Final Honours School of English Language and Literature, University of Oxford, 1899; M.A., University of Birmingham, 1901. Teacher in the Pontypool County School, 1901-03, in the Blackburn High School, 1903-04, in the Worcester High School, 1904-08, and in the Streatham Hill High School, 1908-09.

BEHRENS, MARGARETE EMMA JOHANNA, ...*German Graduate Scholar.*

Dresden, Saxony. University of Munich, 1907-09; University of Jena, 1907; University of Kiel, 1909.

GERLACH, ELNA, ...*German Graduate Scholar.*

Bischofsburg, Prussia. University of Munich, 1906-09.

HEFFNER, BARBARA, ...*German Graduate Scholar.*

Kitzingen, Bavaria. University of Würzburg, 1903-04, 1905-09; University of Munich, 1904-05; Ph.D., University of Würzburg, 1907.

SCHMIDT, ANNALISE, ...*German Graduate Scholar.*

Munich, Bavaria. University of Berlin, 1905-06, 1907-08; University of Munich, 1906-07, 1908-09.

AKERS, DEBORAH CHASE, ...*Graduate Scholar in Psychology.*

Decatur, Ill. Western College, 1904-06; Milliken University, 1906; University of Illinois, 1907-08; A.B., University of Illinois, 1908.

ALBEE, MARIA HAWES, ...*Graduate Scholar in Greek.*

Killingly, Conn. A.B., Bryn Mawr College, 1904; Graduate Student in Greek and Archæology, Yale University, 1904-05, and in Latin and Archæology, 1905-06; Instructor in German and History in the High School, New Haven, Conn., 1904-05, and in German and Latin, 1905-06, 1907-09; Head of the Classical Department and Assistant Principal, Tudor Hall, Indianapolis, Ind., 1906-07; Assistant in the Secretary's Office, Yale University, 1908-09: Teacher of Latin in Miss Wright's School, Bryn Mawr, Pa., 1909-10.

ALBERTSON, ALICE OWEN, ...*English.*

Philadelphia. A.B., Bryn Mawr College, 1902. Teacher in the Friends' Select School, Philadelphia, 1902-09.

ALBERTSON, ANNA MARY,.................................*English.*

Magnolia, N. J. A.B., Wellesley College, 1909.

ALLISON, EDITH MARY, ...*Graduate Scholar in Psychology.*

McPherson, Kan. Washburn College, 1903-04, 1905; McPherson College, 1906-07; University of Colorado, 1907-08; A.B., University of Colorado, 1908, and A.M., 1909; Assistant in Biology, University of Colorado, 1908-09.

BARKER, GRACE SARAH TAYLOR, ...*Graduate Scholar in Physics.*

Welland, Ontario, Canada. S.B., University of Chicago, 1907; Teacher in the University School for Girls, Chicago, 1907-09.

BARTHOLOMEW, MARY ELEANOR, ...*English.*

Chicago, Illinois. A.B., Bryn Mawr College, 1909. Teacher of English in the Baldwin School. Bryn Mawr, Pa., 1909-10.

Belding, Josephine, ...*Greek.*
Hartford, Conn. A.B., Mt. Holyoke College, 1902. Secretary to the Assistant to the President, Bryn Mawr College, 1909-10.

Bell, Emma Virginia, ...*English, German, and History.*
Columbus, Miss. A.B., Mississippi Industrial Institute and College, 1909.

Brownell, Harriet Mather, ...*Archæology.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1896. Teacher of Latin, Greek, and Mathematics in the Passaic Collegiate School, Passaic, N. J., 1896-99, and Teacher of Greek and Latin, 1899-1905; Student in Latin and Archæology, University of Munich, and American School of Classical Studies, Rome, 1905-06; Teacher of Latin in the Holman School, Philadelphia, 1906-10, and Assistant to the Principal, 1908-10.

Brusstar, Margaret Elizabeth, ...*Mathematics.*
Philadelphia. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10; Graduate Scholar in Mathematics, Bryn Mawr College, 1907-08, and Graduate Student, 1908-10.

Bunker, Marie, ...*English and Psychology.*
Overbrook, Philadelphia. A.B., Bryn Mawr College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1907-09.

Burchinal, Marie Cacy, ...*German and Teutonic Philology.*
Chestertown, Md. A.B., Washington College, 1896, and A.M., 1899. Student, University of Marburg, 1903; Graduate Scholar in Romance Languages, Bryn Mawr College, 1905-06, and in Teutonic Philology, 1906-07; Graduate Student, Johns Hopkins University, 1908-09; Instructor in German, Woman's College of Baltimore, 1907-09; First Assistant in German, William Penn High School, Philadelphia, 1909-10.

Byrne, Alice Hill, ...*Greek and Latin.*
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1899-1900, in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01, and in Miss Stahr's School, Lancaster, 1901-07; Principal of the Shippen School, Lancaster, 1908-09; Teacher of Latin in Miss Hills's School, Philadelphia, 1909-10.

Campbell, Annie Catherine, ...*English, Economics, and Philosophy.*
Mechanicsburg, Pa. A.B., Irving College, 1907. Graduate Student, Bryn Mawr College, 1908-09.

Chubb, Ethel Leigh, ...*Graduate Scholar in Latin.*
West Toronto, Canada. B.A., University of Toronto, 1906, and M.A., 1909; Lecturer in Westminster College, Toronto, 1906-09.

Clarke, Nancy Barnum, ...*Psychology, Geology, and Biology.*
Brevard, N. C. B.S., College for Women, Columbia, S. C., 1909.

Coleman, Jessie Hester, ...*Penn College Scholar.*
Oskaloosa, Ia. Ph.B., Penn College, 1909.

Crawford, Emily C., ...*Graduate Scholar in Latin.*
Montreal, Canada. A.B., McGill University, 1907. Graduate Scholar in Greek, Bryn Mawr College, 1907-08, and Graduate Scholar in Latin, 1908-09.

Davis, Margaret, ...*Guilford College Scholar.*
Guilford College, N. C. A.B., Guilford College, 1909.

Dillin, Margaret Sidner, ...*Graduate Scholar in Latin.*
Radnor, Pa. A.B., Bryn Mawr College, 1909.

Downing, Maud, ...*Semitic Languages.*
Fournier, Ontario, Canada. A.B., University of Toronto, 1902. Graduate Student, University of Toronto, 1902-03; Graduate Scholar in Psychology, Bryn Mawr College, 1903-04, and in Semitic Languages, 1904-07, and Reader in Semitic Languages, 1907-10; Honorary Fellow in Semitic Languages, Johns Hopkins University, 1908-09.

DUDLEY, LOUISE, ...*Graduate Scholar in English.*

Georgetown, Ky. A.B., Georgetown College, 1905. Graduate Student, Bryn Mawr College, 1905-06; Teacher in Kemper Hall, Kenosha, Wis., 1907-08; Research Student in the Bibliothèque Nationale, Paris, 1908-09; University of Oxford, 1909.

EISENHOWER, ANNA BELLE, ...*Italian.*

Norristown, Pa. A.B., Swarthmore College, 1899. A.B., Radcliffe College, 1900, and A.M., 1907. Instructor in Classics and French in the High School, Norristown, 1904-06; Graduate Student, Radcliffe College, 1906-07; Head of French Department in the Friends' Central School, Philadelphia, 1907-10.

FOSTER, ELIZABETH ANDROS, ...*Latin and Spanish.*

Sharon, Mass. A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin, 1909-10.

FOSTER, FRANCES ALLEN, ...*Scholar in English.*

Providence, R. I. A.B., Brown University, 1909.

FRANK,* GRACE, ...*German and French.*

Bryn Mawr, Pa. A.B., University of Chicago, 1906. Graduate Student, Bryn Mawr College, 1907-09.

FURNAS, MARCIA MOORE, ...*Earlham College Scholar.*

Earlham, Ind. A.B., Earlham College, 1906.

GOUDGE, MABEL ENSWORTH, ...*Greek, Latin, and Psychology.*

Halifax, Nova Scotia, Canada. A.B., Dalhousie University, 1908, and A.M., 1909.

GRUENING, MARTHA, ...*English, Philosophy, and Chemistry.*

New York City. A.B., Smith College, 1909.

HERITAGE, GERTRUDE LANGDEN, ...*Italian.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student, Bryn Mawr College, 1896-1901. Demonstrator in Chemistry, Bryn Mawr College, 1896-1910.

HUFF,† HELEN ELIZABETH, ...*Physics.*

Bryn Mawr, Pa. A.B., Dickinson College, 1903, A.M., 1905, and Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08: Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08; Reader in Mathematics, Bryn Mawr College, Second Semester 1909-10.

JAMES, ELEANOR, ...*Scholar in Latin.*

Philadelphia. A.B., Bryn Mawr College, 1902. Teacher in the Public School, Milford, Del., 1902-03, and in Miss Gleim's School, Pittsburgh, Pa., 1903-08; Graduate Student, Bryn Mawr College, 1908-09; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1908-10.

JOHNSON, HELEN MOORE, ...*Scholar in Greek.*

Osceola, Mo. Drury College, 1903-05; University of Missouri, 1905-08; Tulane University, 1908-09; A.B., University of Missouri, 1907, and A.M., 1908.

JURIST, HELEN STIEGLITZ, ...*Scholar in German.*

Philadelphia. A.B., Bryn Mawr College, 1909.

KEILLER, MABEL MATTHEWSON,
English, History of Art, and Mathematics.

Narberth, Pa. A.B., Bryn Mawr College, 1908. Private Tutor, 1908-09.

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*Mrs. Tenney Frank.

†Mrs. William Bashford Huff.

King, Marie Seward, ...*German, Teutonic Philology, and French.*

Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09.

Lowengrund, Helen Moss, ...*English.*

Philadelphia. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in English, 1907-08; Teacher of History in the Girls' High School, Philadelphia, 1908-10.

Lynch, Caroline Vinia, ...*Archæology.*

Boston, Mass. A.B., Smith College, 1894; A.M., Columbia University, 1908. American School of Classical Studies in Rome, 1904-05; Graduate Student, Radcliffe College, 1895-96, 1907-09; Columbia University, 1906-07; Demonstrator in the History of Art and Classical Archæology, Bryn Mawr College, 1909-10.

Mason, Mary Taylor, ...*Physics, Chemistry, and Biology.*

Germantown, Philadelphia. A.B., Bryn Mawr College, 1892. Graduate Student, Bryn Mawr College, 1892-94; Teacher of History in Mrs. E. L. Head's School, 1892-93, and 1897-98; Member of School Board, 38th Section, Philadelphia, 1896-99; Member of the Board of Education for the 38th Section, Philadelphia, 1899-1903.

Matsuda, Michi, ...*Scholar in English*

Tango, Japan. A.B., Bryn Mawr College, 1899. Teacher in Kobe College, Kobe, Japan, 1899-1904, and in the Doshisha, Kyoto, Japan, 1904-08, Graduate Scholar in Economics, Bryn Mawr College, 1908-09.

Morgan, Louise Baggott, ...*Scholar in English.*

Providence, R. I. A.B. and A.M., Brown University, 1907. Graduate Scholar in English, Bryn Mawr College, 1907-09.

Nichols, Helen Hawley, ...*Scholar in Semitic Languages.*

Marietta, O. A.B., Marietta College, 1906. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08; Holder of the Mary E. Garrett European Fellowship, and Student, University of Oxford, 1908-09.

Noble, Edith, ...*Latin and German.*

Centerville, S. Dak. A.B., Dakota Wesleyan University, 1902; Ph.B., De Pauw University, 1902. Chicago University, Summer term, 1905; Instructor in Latin and English in the High School, Centerville, 1902-03; Instructor in Latin in the High School, Mitchell, S. Dak., 1903-06; Instructor in English, Dakota Wesleyan University, 1906-07, and Professor of Latin, 1907-09.

Ogden, Ellen Seton, ...*Scholar in Semitic Languages.*

Albany, N. Y. L.B., University of Nashville, 1895. Teacher of Latin and Mathematics in the Winthrop Model School, Peabody Normal College, 1895-96; Graduate Student in Teutonic Philology and Semitic Languages, Bryn Mawr College, 1896-98; Junior Bursar, Bryn Mawr College, 1898-1901; Student in Semitics, Columbia University, 1901-02; Head of the English Department, St. Agnes School, Albany, N. Y., 1902-09, and Instructor in Biblical Study, 1904-09.

Orlady, Edith Thompson, ...*French.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09.

Peebles, Florence, ...*Biology.*

Bryn Mawr, Pa. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-09; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902; and Associate Professor of Biology, 1902-06; Teacher of Science in Miss Wright's School, Bryn Mawr, Pa., 1906-07; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10; Student, University of Bonn, Summer, 1906.

PEELLE, MARY PEARL, ...*English*
Wilmington, O. A.B., Wilmington College, 1909.

PROBASCO, LOUISE, ...*Latin and History of Art.*
Wilmington, O. A.B., Wilmington College, 1909.

RAMBO, ELEANOR FERGUSON, ...*Latin.*
Philadelphia. A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Greek, 1908-09.

REYNOLDS, GRACE POTTER, ...*Physics and Chemistry.*
Stamford, Conn. A.B., Smith College, 1904; A.M., Columbia University, 1905. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Barnard College, 1906-08; Fellow in Chemistry, Bryn Mawr College, 1908-09.

RICHARDS, ANNABELLA ELLIOTT, ...*Physics and Chemistry.*
Merion, Pa. A.B., Bryn Mawr College, 1907. Graduate Scholar in Chemistry, 1908-09.

RICHARDSON, EMILY MARTIN, ...*English.*
Boston, Mass. A.B., Radcliffe College, 1904. Teacher of English in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10.

ROE, ADAH BLANCHE, ...*Scholar in German.*
Omaha, Neb. A.B., Woman's College of Baltimore, 1909.

SCHENCK, EUNICE MORGAN, ...*Scholar in French.*
Philadelphia. A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1908-09.

SHEARER, EDNA ASTON, ...*Philosophy.*
A.B., Bryn Mawr College, 1904. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship, and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08.

SHELDON, ELEANOR, ...*Scholar in English.*
Minneapolis, Minn. A.B., University of Minnesota, 1904, and A.M., 1909. Assistant in English, University of Minnesota, 1905-09; Teacher of Interpretative Literature in the Minneapolis School of Music and Oratory, 1906-09.

SNYDER, ELIZABETH, ...*German.*
Ardmore, Pa. A.B., Bryn Mawr College, 1903. Teacher of French and German in the Lower Merion High School, Ardmore, 1903-09; Teacher in the Girls' High School, Philadelphia, December, 1908, to February, 1909; Graduate Student, Bryn Mawr College, 1905-06.

SPALDING, MARY CAROLINE, ...*Scholar in English.*
Bryn Mawr, Pa. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-09; Teacher in the Misses Shipley's School, Bryn Mawr, 1906-10.

STODDARD, VIRGINIA TRYON, ...*Philosophy.*
Mt. Holly, N. J. A.B., Bryn Mawr College, 1903, and A.M., 1909. Warden of Radnor Hall and Graduate Student, Bryn Mawr College, 1904-10.

STURDEVANT, WINIFRED, ...*German.*
Cragsmoor, N. Y. A.B., Bryn Mawr College, 1909.

VAN KIRK, EDITH LOUISE, ...*Latin and English.*
Philadelphia. A.B., Bryn Mawr College, 1898. Assistant in Mrs. Van Kirk's Training School for Kindergarten Teachers, Philadelphia, 1898-1900; Student of German, 1900-01; Teacher in Mrs. Van Kirk's Kindergarten Training School, 1901-02, 1903-05; Graduate Student, Bryn Mawr College, 1902-03.

Wade, Clara Louise Whipple, ...*Archæology.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1904. Holder of the Bryn Mawr European Fellowship and Scholar in Latin, Bryn Mawr College and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-07; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, 1907-10.

Weld, Jean, ...*English, French, and Education.*

Marianna, Ark. A.B., University of Arkansas, 1907.

Weusthoff, Anna Sophie, ...*Teutonic Philology.*

New York City. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-09; Special Ottendorfer Memorial Research Fellow in Teutonic Philology, 1907-08, and Ottendorfer Memorial Research Fellow, 1908-09; Fellow of Woman's College of Baltimore, 1909-10.

White, Helen Beardsley Cromwell, ...*Scholar in Geology.*

Bradford, Pa. A.B., Allegheny College, 1909.

Undergraduate Students, Academic Year, 1909–10.

Akers, Ruth Faith, ...*Group, Latin, Italian, and Spanish,* 1908-10.

Decatur, Ill. Prepared by the High School, Decatur.

Alden, Mary Bogue,
Group, History and Economics and Politics, 1908-10.

Rochester, N. Y. Prepared by the High School, Rochester, and by the Baldwin School, Bryn Mawr, Pa.

Alexander, Willa Bullitt,
Group, History and Economics and Politics, 1907-10.

Pittsburgh, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

Allen, Jeannette Valerie, ...*Group,* ———, 1907-10.

Fort Yellowstone, Wyo. Prepared by Rosemary Hall, Greenwich, Conn.

Allen, Mary Norton, ...*Group, Latin and French,* 1905-10.

Worcester, Mass. Prepared by Wykeham Rise, Washington, Conn., and by private tuition.

Allinson, Susanne Carey, ...*Group, Greek and Latin,* 1906-10.

Providence, R. I. Prepared by Miss Wheeler's School, Providence, and by the Bryn Mawr School, Baltimore, Md.

Ames, Alice, ...*Group,* ———, 1909-10.

Saint Paul, Minn. Prepared by Miss Loomis's School, Saint Paul, and by Miss Winsor's School, Boston, Mass.

Arthurs, Ann Catharine, ...*Group,* ———, 1908-10.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908-10.

Ashley, Mabel Pierce,
Group, History and Economics and Politics, 1906-10.

New York City. Prepared by the Baldwin School, Bryn Mawr, Pa.

Ashton, Dorothy Laing,
Group, History and Economics and Politics, 1906-10.

Germantown, Philadelphia. Prepared by the Swarthmore Preparatory School, Swarthmore, Pa. Swarthmore College, 1905-06.

ATHERTON, SARAH HENRY, ...*Group*, ———, 1909-10.
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.

BABCOCK, RUTH, ...*Group, Latin and French*, 1906-10.
Fall River, Mass. Prepared by the B. M. C. Durfee High School, Fall River, and by the Balliol School, Utica, N. Y.

BAECHLE, CECELIA IRENE, ...*Group*, ———, 1909-10.
Philadelphia. Prepared by Notre Dame Academy, Hamilton, O., and by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909-10.

BALDWIN, DOROTHEA DE FOREST, ...*Group*, ———, 1909-10.
New York City. Prepared by Rye Seminary, Rye, N. Y., by Mrs. Merrill's School for Girls, Oaksmere, N. Y., and by private tuition.

BARBER, HELEN DOROTHY, ...*Group*, ———, 1908-10.
Portland, Ore. Prepared by the Portland Academy.

BARNES, AIDA CROMWELL, ...*Group*, ———, 1909-10.
New York City. Prepared by St. Agatha's School, New York City.

BARRETT, HELEN JUANITA, ...*Group*, ———, 1909-10.
Glenolden, Pa. Prepared by the Friends' Central School, Philadelphia.

BARTHOLOMEW, GRACE, ...*Group*, ———, 1909-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1909-10.

BARTLETT, MARGUERITE GOLD, ...*Group*, ———, 1909-10.
Philadelphia. Prepared by the High School, Chester, Pa., and by the Girls' High School, Philadelphia.

BEARDWOOD, JANE, ...*Group, German and French*, 1908-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

BELIEKOWSKY, SADIE, ...*Group, Greek and Latin*, 1908-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1908-10.

BIDDLE, MARIA GEORGINA,
Group, History and Economics and Politics, 1905-06, 1907-10.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.

BIXLER, IRMA BERTHA,
Group, History and Economics and Politics, 1906-10.
Pittsburgh, Pa. Prepared by the Pennsylvania College for Women and by the Misses Kirk's School, Rosemont, Pa.

BLAINE, MARGARET GRAHAM, ...*Group*, ———, 1909-10.
Taunton, Mass. Prepared by the High School, Taunton, and by Miss May's School, Boston, Mass.

BLAKE, DOROTHY TURNER, ...*Group*, ———, 1909-10.
Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. Holder of the First Bryn Mawr Matriculation Scholarship for the New England States, 1909-10.

BLEY, HELEN MÜLLER, ...*Group, Greek and Latin*, 1906-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the First (equal) Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1906-07, and of Trustees' Philadelphia Girls' High School Scholarship, 1906-10; Holder of the Brooke Hall Memorial Scholarship, 1909-10.

BOGGS, ANITA UARDA, ...*Group, German and Spanish*, 1906-10.
Harrisburg, Pa. Prepared by the Misses Sergeant and Miss Bent's School, Harrisburg.

BONTECOU, ELEANOR, ...*Group*, ———, 1909-10.
Orange, N. J. Prepared by Miss Beard's School, Orange. Holder of First Bryn Mawr Matriculation Scholarship for New York, New Jersey, and Delaware, 1908-09.

BRANCH, ZELDA MADISON, ...*Group, Philosophy and Physics*, 1909-10.
Kansas City, Mo. University of Texas, First Semester, 1906-07; University of Nebraska, 1907-09.

BRANHAM, GRACE BAGNALL, ...*Group, Greek and Latin*, 1906-10.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

BROCKSTEDT, CLARISSA BEATRICE, ...*Group*, ———, 1909-10.
St. Louis, Mo. Prepared by the Yeatman High School, St. Louis.

BROWN, MARGARET EATON, ...*Group*, ———, 1909-10.
Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

BROWN, MARY WILMARTH, ...*Group*, ———, 1908-10.
Chicago, Ill. Prepared by the University High School, Chicago.

BUCHANAN, ISABEL, ...*Group*, ———, 1908, 1908-10.
Trenton, N. J. Prepared by the Misses Shipley's School and by Miss Clara L. W. Wade and by the Misses Kirk's School, Bryn Mawr, Pa.

BUCHANAN, JESSIE CROW, ...*Group*, ———, 1909-10.
Trenton, N. J. Prepared by the State Model School, Trenton.

BUSTER, FRANCES ESTELLE, *Hearer in Latin, English and Philosophy.*
Pilot Point. Tex. Franklin College, Pilot Point, 1890-1900; North Texas Normal College, Denton, Tex., 1900-01.

BYRNE, LAURA LAURENSON, ...*Group*, ———, 1908-10.
Ellicott City, Md. Prepared by St. Timothy's School, Catonsville, Md.

CABOT, RUTH, ...*Group, Greek and Latin*, 1906-10.
Milton, Mass. Prepared by the Milton Academy, Milton.

CAM, NORAH, ...*Group, Mathematics and Physics*, 1908-10.
Bishop's Stortford, England. Prepared by private tuition. Holder of Maria Hopper Scholarship, 1909-10.

CANAN, VIRGINIA CUSTER, ...*Group, Latin and English*, 1907-10.
Altoona, Pa. Prepared by the Birmingham High School, Birmingham, Pa.

CAREY, FRANCES KING, ...*Group, Greek and Latin*, 1907-10.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, and by the Misses Shipley's School, Bryn Mawr, Pa.

CASKEY, EMILY EDNA, ...*Group, Latin and German*, 1907-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-10.

CHAMBERLAIN, GLADYS ELIZABETH, *Group, Latin and German*, 1908-10.
Portland, Me. Prepared by the Waynflete School, Portland. Holder of Second Bryn Mawr Matriculation Scholarship for the New England States, 1908-09.

CHAMBERS, AGNES,
Group, History and Economics and Politics, 1908-10.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

CHAMBERS, KATE ETHEL, ...*Group, German and French*, 1907-10.
Adana, Turkey. Prepared by Miss Irwin's School, Philadelphia, and by private tuition.

CHASE, CARMELITA, ...*Group*, ———, 1908-10.
Omaha, Neb. Prepared by Brownell Hall, Omaha.

CHASE, DOROTHY, ...*Group, Latin and Mathematics*, 1908-10.

Chicago, Ill. Prepared by the Kirkland School, Chicago, and by the Lakeview High School, Chicago.

CHASE, ETHEL BIRD,
Group, Economics and Politics and Philosophy, 1906-10.

Washington, D. C. Prepared by the Friends' School, Washington.

CHICKERING, JULIA,
Group, History and Economics and Politics, 1907-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-10.

CHILD, DOROTHY MARTIN ....*Group, Latin and French*, 1905-10.

Germantown, Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Holder of Foundation Scholarship, 1905-09.

CLAFLIN, CHARLOTTE ISABEL, ...*Group, Greek and English*, 1907-10.

Cambridge, Mass. Prepared by the Cambridge Latin School, Cambridge. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1907-08.

CLARKE, PAULINE IDA, ...*Group*, ———, 1908-10.

New York City. Prepared by the Balliol School, Utica, N. Y. Holder of the James E. Rhoads' Sophomore Scholarship, 1909-10.

CLIFTON, JESSIE WILLIAMS, ...*Group, Greek and Latin*, 1907-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-10.

CLINTON, MARION DOROTHEA, ...*Group, Greek and Latin*, 1909-10.

Portland, Ore. Prepared by the Lincoln High School, Portland, and by Portland Academy. Holder of the First Bryn Mawr Matriculation Scholarship for the Western States, 1909-10.

COCKRELL, JOSEPHINE ELEANOR, ...*Group*, ———, 1909-10.

Dallas, Tex. Prepared by St. Mary's College, Dallas, and by the Misses Kirk's School, Bryn Mawr, Pa.

COFFIN, DOROTHY, ...*Group, Latin and French*, 1907-10.

Winnetka, Ill. Prepared by the Girton School, Winnetka.

COLE, DOROTHEA,
Group, History and Economics and Politics, 1906-10.

Chester, Ill. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

COLLINS, RUTH, ...*Group, English and Philosophy*, 1906-10.

Pitman Grove, N. J. Prepared by the Drexel Institute, Philadelphia, and by private tuition. Holder of Anna M. Powers Memorial Scholarship, 1909-10.

COLTER, HELEN MARGARET, ...*Group*, ———, 1908-10.

Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati. Holder of First Bryn Mawr Matriculation Scholarship for the Western States, 1908-09.

COOPER, ISABEL RUTH, ...*Group*, ———, 1909-10.

New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City.

CORNELL, ESTHER STUART,
Group, History and Economics and Politics, 1907-10.

Coraopolis, Pa. University of Chicago, 1906-07.

CORNING, ZELMA MARY, ...*Group*, ———, 1909-10.

New York City. Prepared by the Veltin School, New York City.

Corwin, Margaret Trumbull, ...*Group*, ——, 1908-10.
New Haven, Conn. Prepared by the High School, New Haven.

Cox, Caroline Bessie, ...*Group, Latin and English*, 1906-10.
Philadelphia. Prepared by Miss Keyser's School, Philadelphia.

Crane, Marion Delia, ...*Group, English and Philosophy*, 1907-10.
Providence, R. I. Prepared by the High School, Abington, Mass., and by private tuition. Holder of the James E. Rhoads Sophomore Scholarship, 1908-09; Holder of the James E. Rhoads Junior Scholarship, 1909-10.

Crenshaw, Fanny Graves, ...*Group*, ——, 1908-10.
Richmond, Va. Prepared by Miss Ellett's School, Richmond.

Crocker, Clara Ballard, ...*Group*, ——, 1909-10.
Boston, Mass. Prepared by Miss Winsor's School, Boston.

Daddow, Virginia, ...*Group*, ——, 1909-10.
St. Clair, Pa. Prepared by the High School, Pottsville, Pa., and by the Misses Shipley's School, Bryn Mawr, Pa.

Darkow, Angela Charlotte, ...*Group, Greek and Latin*, 1907-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of First Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1907-08, and of Trustees' Philadelphia Girls' High School Scholarship, 1907-10; Holder of the Maria Hopper Sophomore Scholarship, 1908-09.

Davis, Dorothy Livingston, ...*Group*, ——, 1909-10.
New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City.

Day, Rosalie, ...*Group*, ——, 1908-10.
Catskill, N. Y. Prepared by Wykeham Rise, Washington, Conn.

De Angelis, Annina, ...*Group, German and French*, 1906-10.
Utica, N. Y. Prepared by the Balliol School, Utica.

Deems, Elsie, ...*Group, English and German*, 1906-10.
Hornell, N. Y. Prepared by the High School, Hornellsville, and by the Balliol School, Utica, N. Y.

Delano, Catharine, ...*Group, English and Philosophy*, 1907-10.
Chicago, Ill. Prepared by the Francis W. Parker School, Chicago, and by Rosemary Hall, Greenwich, Conn.

Deming, Agatha, ...*Group*, ——, 1909-10.
New York City. Prepared by the Veltin School, New York City.

Deming, Constance,
Group, History and Ecenomics and Politics, 1906-10.
New York City. Prepared by the Veltin School, New York City, and by the Balliol School, Utica, N. Y.

Denison, Elsa, *Group, History and Economics and Politics*, 1906-10.
Denver, Colo. Prepared by the Manual Training High School, Denver, and by the Baldwin School, Bryn Mawr, Pa.

Depew, Christine Ellen, ...*Group*, ——, 1907-10.
Delano, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

Dessau, Florence Maud, ...*Group*, ——, 1909-10
New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City. Holder of the First Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1909-10.

Dodd, Hannah Maria, ...*Group, Latin and French*, 1907-10.
Midway, Del. Prepared by the Misses Hebb's School, Wilmington, Del.

Doheny, Mary Elizabeth, ...*Group, Latin and French*, 1906-10.
Haverford, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

Doolittle, Margaret, ...*Group, Greek and Latin*, 1907-10.
Mt. Vernon, N. Y. Prepared by the Lockwood Collegiate Institute, Heathcote Hall, Scarsdale, N. Y.

Dulles, Margaret Josephine, ...*Group*, ———, 1907-08, 1909-10.
Auburn, N. Y. Prepared by the High School, Auburn, and by private tuition.

Edgerton, Gladys, ...*Group*, ———, 1908-10.
New York City. Prepared by Mrs. Merrill's School for Girls, Oaksmere, N. Y.

Egan, May Margaret, ..*Group, French and Spanish*, 1905-07, 1909-10.
Amboy, Ill. Prepared by Miss Hartridge's School, Savannah, Ga., and by Rosemary Hall, Greenwich, Conn.

Eichberg, Alice, ...*Group, Latin and English*, 1907-10.
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati. Holder of the First Bryn Mawr Matriculation Scholarship for the Western States, 1907-08.

Elcock, Gertrude Marie, ...*Group*, ———, 1908-10.
Glenside, Pa. Prepared by the Agnes Irwin School, Philadelphia. Holder of Maria Hopper Scholarship, 1909-10.

Elmer, Eleanor Nixon, ...*Group*, ———, 1909-10.
Winnetka, Ill. Prepared by the Girton School, Winnetka, and by Rosemary Hall, Greenwich, Conn.

Emerson, Helen, ...*Group, Mathematics and Physics*, 1907-10.
Providence, R. I. Prepared by the Lincoln School, Providence. Holder of the First Bryn Mawr Matriculation Scholarship for the New England States, 1907-08.

Evans, Helen Ludington, ...*Group*, ———, 1909-10.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Evans, Katherine Mary, ...*Group, Chemistry and Biology*, 1906-10.
Nicholasville, Ky. Prepared by the Bartholomew-Clifton School, Cincinnati, O.

Fabian, Elizabeth Storrs,, ...*Group*, ———, 1909-10.
Evanston, Ill. Prepared by the High School, Evanston.

Fabian, Margaret, ...*Group, French and* ———, 1908-10.
Evanston, Ill. Prepared by the Evanston Township High School. Northwestern University, 1906-07.

Falk, Zip Solomons,
Group, Economics and Politics and Philosophy, 1906-10.
Savannah, Ga. Prepared by Memminger Normal School, Charleston, and by private tuition.

Faries, Elizabeth, ...*Group*, ———, 1908-10.
Chestnut Hill, Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill.

Faulkner, Ellen, ...*Group*, ———, 1909-10.
Keene, N. H. Prepared by the High School, Keene, by the MacDuffie School, Springfield, Mass., and by private tuition.

Fendall, Mary Gertrude, ...*Group*, ———, 1908-10.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

FIELD, ARISTINE, ...*Group, Greek and Latin*, 1907-10.

Lincoln Park, N. Y. Prepared by the High School, Rochester, N. Y., and by the Baldwin School, Bryn Mawr, Pa.

FORSTER, EMMA, ...*Group, Latin and German*, 1907-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship. 1907-10, and Holder of Anna M. Powers Memorial **Scholarship, 1909-10.**

FRANCIS, CLARA JANE,
Group, History and Economics and Politics, 1908-10.

Martins Ferry, O. Prepared by the High School, Martins Ferry.

FRIEND, MARGARET ALICE,
Group, Economics and Politics and Philosophy, 1907-10

Milwaukee, Wis. Prepared by Milwaukee-Downer College.

FUNKHOUSER, ELSIE LUSH, ...*Group, Greek and Latin*, 1907-10.

Lincoln, Neb. University of Nebraska, 1906-07.

GARRIGUES, MARGARET ASHMEAD,
Group, History and Economics and Politics, 1908-10.

Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

GAYLER, RUTH HAMILTON, ...*Group, Greek and Latin*, 1907-10.

Stamford, N. Y. Prepared by the High School, Mt. Vernon, N. Y.

GEORGE, MARY RUTH ETHELWYN,
Hearer in English, German, Spanish, Italian, Economics and Politics, Philosophy and Art, 1906-10.

Allegheny, Pa. Prepared by the High School, Allegheny, and by the Preparatory School of the Pennsylvania College for Women.

GIBSON, LOUISE ISABEL, ...*Group*, ———, 1909-10.

Birmingham, Ala. Prepared by the Margaret Allen School, Birmingham.

GLENN, FLORENCE MARTHA, ...*Group, Latin and German*, 1908-10.

Johnstown, Pa. Prepared by the High School, Johnstown.

GOLDSMITH, CECILE ADLER, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909-10.

GOODALE, CATHARINE WARREN,
Group, History and Economics and Politics, 1905-08, 1909, 1909-10.

Waialua, Oahu, H. I. Prepared by Oahu College, Honolulu, H. I.

GRAY, ELIZABETH LAWRENCE,
Hearer by Courtesy in English, Philosophy and Art, 1908-09, 1910.

Lowell, Mass. Assistant Director of Athletics and Gymnastics, Bryn Mawr College, 1908-10.

GRISCOM, ETHEL LYDIA, ...*Group*, ———, 1909, 1909-10.

Bryn Mawr, Pa. Prepared by Tudor Hall School, Forest Hill, London, England, and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.

GUCKENHEIMER, ADELE, ...*Group*, ———, 1908-10.

Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

HAINES, ISABELLE PENNOCK, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by Wykeham Rise, Washington, Conn., and by private tuition.

HAINES, JULIA LORING,
Group, History and Economics and Politics, 1908-10.

Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

HALPEN, SARA MARION, ...*Group*, ———, 1909-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909-10.

HAMILTON, AMY GORDON, ...*Group*, ———, 1909-10.
Tenafly, N. J. Prepared by the Dwight School, Englewood, N. J.

HAMMER, CHRISTINE POTTS,
Group, History and Economics and Politics, 1908-10.
Pottstown, Pa. Prepared by Dana Hall, Wellesley, Mass.

HARTSHORNE, ANNA, ...*Group, Latin and German*, 1908-10.
Brighton, Md. Prepared by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1908-10.

HARTWIG, ANNA L., ...*Hearer by Courtesy in French*, 1909-10.
Philadelphia. Trained Nurse, Bryn Mawr College, 1908-10.

HATHAWAY, SYLVIA, ...*Group*, ———, 1909-10.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, by Miss Low's School, Stamford, Conn., and by the Agnes Irwin School, Philadelphia.

HAYDOCK, LOUISA LOW, ...*Group*, ———, 1909-10.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, by the Agnes Irwin School, Philadelphia, and by the Low-Heywood School, Stamford, Conn.

HEALY, JOSEPHINE,
Group, History and Economics and Politics, 1906-10.
Pottstown, Pa. Prepared by the Misses Kirk's School, Rosemont, Pa.

HEARNE, ALICE, ...*Group*, ———, 1909-10.
Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

HEARNE, FRANCES HALE,
Group, Latin and Italian and Spanish, 1906-10.
Wayne, Pa. Prepared by the Radnor High School, Wayne, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

HEDGES, MIRIAM MARGARET,
Group, History and Economics and Politics, 1906-10.
Galveston, Tex. Prepared by the Baldwin School, Bryn Mawr, Pa.

HEFFERN, ANNA CONSTANCE, ...*Group*, ———, 1908-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1908-10.

HENDERSON, HELEN HAMILTON LEIPER,
Group, History and Economics and Politics, 1907-10.
Cumberland, Md. Prepared by the Misses Kirk's School, Rosemont, Pa.

HENDERSON, HILDEGARDE GERTRUDE, ...*Group*, ———, 1909-10.
Cambridge, Mass. Prepared by the Berkeley Street School, Cambridge, and the Misses Smith's School, Cambridge.

HENDERSON, LOUISA, ...*Group*, ———, 1909-10.
Cumberland, Md. Prepared by Allegheny County Academy, Cumberland, Md.

HIBBEN, ELIZABETH GRIER, ...*Group, Latin and German*, 1906-10.
Princeton, N. J. Prepared by the Princeton School, Princeton.

HIGGINSON, MARY HAMOT,
Group, History and Economics and Politics, 1907-10.
Fall River, Mass. Prepared by the Balliol School, Utica, N. Y.

HINRICHS, GERTRUDE MARY, ...*Group*, ———, 1909-10.
Glen Ridge, N. J. Prepared by the High School, Glen Ridge, and by private tuition.

HOBART, MARGARET JEFFERYS, ...*Group, Greek and Latin*, 1907-10.
New York City. Prepared by the Brearley School, New York City. Holder of the First Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1907-08.

HOFFMAN, MARGERY ELIZABETH,
Group, History and Economics and Politics, 1907-10.
Portland, Ore. Prepared by Miss Ingol's School, Cambridge, Mass., by the Lee School, Cambridge, and by private tuition.

HOLMES, MAUD WISLIZENUS, ...*Group*, ———, 1909-10.
St. Louis, Mo. Prepared by Mary Institute, St. Louis. Holder of the Second Bryn Mawr Matriculation Scholarship for the Western States, 1909-10.

HOSHINO, AI, ...*Group, Chemistry and Biology*, 1908-10.
Tokio, Japan. Prepared by Miss Tsuda's School, Tokio, by the Stevens School, Germantown, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.

HOUGHTELING, LEILA,
Group, History and Economics and Politics, 1907-10.
Winnetka, Ill. Prepared by the Girton School, Winnetka, and by Miss Spence's School, New York City.

HOUSTON, JULIA TAYLOR, ...*Group, English and French*, 1908-10.
Pine Bluff, Ark. Prepared by the High School, Pine Bluff, by Elizabeth College, Charlotte, N. C., and by private tuition.

HOWELL, JANET TUCKER, ..*Group, Mathematics and Physics*, 1906-10.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1906-08.

HOWSON, BEATRICE, ...*Group*, ———, 1908-10.
Philadelphia. Prepared by the Friends' Central School, Philadelphia.

HOWSON, EMILY ELIZABETH, ...*Group, Physics and Biology*, 1906-10.
Philadelphia. Prepared by the Friends' Central School, Philadelphia, and by private tuition.

HUME, MARY, ...*Group*, ———, 1908-10.
Des Moines, Ia. Prepared by the High School, West Des Moines, by Des Moines College, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

HUNTER, FRANCES, ...*Group*, ———, 1908-10.
Saugerties, N. Y. Prepared by the High School, Saugerties, and by the Misses Graham's School, New York City.

IREY, HELEN CHRISMAN, ...*Group, Latin and Mathematics*, 1906-10.
West Chester, Pa. Prepared by the Collegiate Institute for Girls, Philadelphia, and by the Misses Shipley's School, Bryn Mawr, Pa.

IRISH, FLORENCE CATHERINE, ...*Group*, ———, 1909-10.
Norristown, Pa. Prepared by Miss Roney's School, Bala, Pa.

IRVINE, MARY AGNES, ...*Group, Mathematics and Physics*, 1906-10.
Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

IRWIN, AGNES MILLER, ...*Group, Latin and German*, 1906-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1906-10.

IRWIN, MARIAN IKI, ...*Group*, ———, 1909-10.
Tokio, Japan. Prepared by the Baldwin School, Bryn Mawr, Pa.

James, Lillie, ... *Group, Latin and English*, 1906-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-10.

Johnston, Elizabeth Henrietta, *Group, Mathematics and* ———, 1908-10.

Carlisle, Pa. Prepared by the High School, East Orange, N. J., and by Metzger College, Carlisle.

Jones, Gladys, ... *Group*, ———, 1908-10.

Hazleton, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

Justice, Caroline Letchworth *Group, Mathematics and Physics*, 1907-10.

Narberth, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Holder of the Trustees' Lower Merion High School Scholarship, 1907-10.

Keiller, Violet Hannah, ... *Group, Chemistry and Biology*, 1906-10.

Narberth, Pa. Prepared by the Central High School, Washington, D. C., by the Misses Shipley's School, Bryn Mawr, Pa., and by Miss Sayward's School, Overbrook, Philadelphia.

Kelley, Katharine Mildred, ... *Group, Latin and German*, 1907-10.

Cleveland, O. Prepared by the Central High School, Cleveland. Western Reserve University, 1905-07.

Kelly, Olga Elizabeth Bredow, ... *Group*, ———, 1909-10.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Kenison, Lucie, ... *Group, French and Spanish*, 1908-10.

Galveston, Tex. Prepared by the Baldwin School, Bryn Mawr, Pa.

Kennedy, Laura Elizabeth, ... *Group*, ———, 1909-10.

Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs.

Kerr, Jeanne Benedict, *Group, History and Economics and Politics*, 1906-10.

New York City. Prepared by Miss Spence's School, New York City.

Kirk, Marion Shelmire, ... *Group, Latin and German*, 1906-08.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-10; Holder of Maria Hopper Scholarship, 1907-08.

Ladd, Mary Ethel, ... *Group, Greek and Latin*, 1906-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-10. Holder of the Mary E. Stevens Scholarship, 1908-09.

Lamb, Louise Emerson, ... *Group, French and* ———, 1908-10.

Baltimore, Md. Prepared by Ecole Vinet, Lausanne, Switzerland, and by the Bryn Mawr School, Baltimore.

Lamberton, Anne, ... *Group*, ———, 1909-10.

Philadelphia. Prepared by the Gordon School, Philadelphia.

Lautz, Helen Sophia, *Group, Latin and Italian and Spanish*, 1908-10.

Pekin, Ill. Prepared by the High School, Pekin, and by the Misses Shipley's School, Bryn Mawr, Pa.

Layton, Margaret Hammond, ... *Group, Latin and German*, 1907-10.

Monroe, La. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private study.

Lee, Helen, ... *Group*, ———, 1909-10.

Philadelphia. Prepared by Milwaukee-Downer College.

LEHMAN, LOIS PARTRIDGE, ...*Group*, ———, 1907-08, 1909, 1909-10.

Redlands, Cal. Prepared by the High School, Redlands. Smith College, 1906-07.

LEOPOLD, FLORENCE STEIN,
Group, History and Economics and Politics, 1908-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

LEVY, EDNA SOPHIE, ...*Group*, ———, 1909-10.

Pittsburgh, Pa. Prepared by the High School, Pittsburgh.

LEWIS, REBECCA RENSHAW, ...*Group, Latin and Spanish*, 1908-10.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908-10.

LIDDELL, KATHARINE FORBES, ...*Group, Latin and English*, 1906-10.

Charlotte, N. C. Prepared by the Calhoun-Chamberlain School, Montgomery, Ala. Holder of James E. Rhoads Junior Scholarship, 1908-09; Holder of Maria Hopper Scholarship, 1909-10.

LIGHT, BARBARA JOYCE, ...*Group*, ———, 1909-10.

Lebanon, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr.

LIVINGSTON, FRANCES ELIZABETH, ...*Group*, ———, 1910.

Lawrence, Long Island, N. Y. Prepared by St. Mary's Hall, Burlington, N. J., and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.

LLEWELLYN, GERTRUDE, ...*Group*, ———, 1908-10.

Evanston, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Baldwin School, Bryn Mawr, Pa.

LOEB, FLORENCE MAY, ...*Group, German and French*, 1908-10.

Paducah, Ky. Prepared by the Girls' Classical School, Indianapolis, and by Miss Brown's Classical School for Girls, Boston, Mass.

LONGWELL, KATHERINE CAVENAGH, ..*Group, Greek and Latin*, 1908-10.

Pittsburgh, Pa. Prepared by Frankby House School, Hoylake, England, and by Miss Gleim's School, Pittsburgh.

LUCAS, LEONORA, ...*Group, French and Italian*, 1908-10.

Evanston, Ill. Prepared by the Academy of the University of Illinois. University of Illinois, 1905-06.

MABON, ROSA VEDDER, ...*Group*, ———, 1909-10.

New York City. Prepared by St. Agnes School, Albany, N. Y., and by the Brearley School, New York City.

MAGOFFIN, HENRIETTA FLOYD, ...*Group, Latin and French*, 1907-10.

Mercer, Pa. Prepared by the High School, and by the Academy, Mercer.

MAGUIRE, ELIZABETH YARNALL, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by the Holman School, Philadelphia, and by the Agnes Irwin School, Philadelphia.

MANCHESTER, RUTH COE, ...*Group, Greek and* ———, 1909-10.

Winsted, Conn. Prepared by the Gilbert School, Winsted, Conn. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1909-10.

MARSH, HELEN ELIZABETH,
Group, History and Economics and Politics, 1908-10.

Brooklyn, New York City. Prepared by the Friends' Seminary, New York City, and by private tuition.

MARSHALL, RACHEL,
Group, History and Economics and Politics, 1908-10.

Lincoln, Kan. Kansas State University, 1906-08.

MASON, ROSALIND FAY, ...*Group, English and French*, 1907-10.
Chicago, Ill. Prepared by the University School for Girls, Chicago.

MATLACK, LOUISE, ...*Group*, ———, 1909-10.
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute and by Rosemary Hall, Greenwich, Conn.

MCKELVEY, MARY ALICE, ...*Group*, ———, 1908-10.
New York City. Prepared by the Brearley School, New York City.

MEAD, MARION LORAINE, ...*Group*, ———, 1908-10.
Evanston, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Baldwin School, Bryn Mawr, Pa.

MEARKLE, EDITH, ...*Group, French and Italian and Spanish*, 1908-10.
Minneapolis, Minn. Prepared by the Central High School, Minneapolis.

MELLEN, MARGUERITE, ...*Group*, ———, 1909-10.
Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Rosemary Hall, Greenwich, Conn.

MENENDEZ, LUCINDA POILLON, ...*Group*, ———, 1909-10.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich, Conn.

MERRILL, LOUISE EDGERTON, ..*Group, Latin and Mathematics*, 1906-10.
New Rochelle, N. Y. Prepared by Miss Cooper's School, Albany, N. Y., by the Brearley School, New York City, and by private tuition.

MEYER, ELSE, ...*Group*, ———, 1908-10.
New Orleans, La. Prepared by private tuition.

MICHAEL, JEANETTE, ...*Group*, ———, 1909-10.
Buffalo, N. Y. Prepared by St. Margaret's School, Buffalo, and by Rosemary Hall, Greenwich, Conn.

MILLER, LAURA ISABELLE,
Group, History and Economics and Politics, 1907-10.
Milwaukee, Wis. Prepared by Milwaukee-Downer College, and by the Baldwin School, Bryn Mawr, Pa.

MILLER, RAMONA BEATRICE, ...*Group*, ———, 1909-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the First Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, and of the Simon Muhr Scholarship, 1909-10.

MITCHELL, PEARL BORING, ...*Group, English and Philosophy*, 1908-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the Minnie Murdoch Kendrick Scholarship, 1908-10.

MOCK, EURANA DINKEY,
Group, History and Economics and Politics, 1908, 1908-10.
St. Davids, Pa. Prepared by Brantwood Hall, Lawrence Park, N. Y., and by the Misses Shipley's School, Bryn Mawr, Pa.

MONTGOMERY, HAZEL MARGARET, ...*Group*, ———, 1908-10.
New York City. Prepared by the Misses Kirk's School, Bryn Mawr, Pa., by the Brearley School, New York City, and by private tuition.

MOORE, ELSIE, ...*Group, Mathematics and Geology*, 1907-10.
Danville, Pa. Prepared by the High School, Danville, and by private tuition.

MORGAN, MARGUERITE BROADES,
Group, Latin and German, 1905-08, 1909, 1909-10.
Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore.

MORGAN, MARY ALDEN, ...*Group*, ———, 1908-10.
Chicago, Ill. Prepared by the University High School, Chicago, and by private tuition.

MORROW, AGNES ELIZABETH, ...*Group*, ———, 1908-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

MUNROE, MARGARET ADELAIDE, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the L. C. B. Saul Memorial Scholarship and Holder of City Scholarship, 1909-10.

MURPHY, EDITH HAMILTON, ...*Group, Latin and English*, 1906-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia, and by Miss Hills's School for Girls, Philadelphia.

MURRAY, AGNES LAURENCE, ...*Group, French and Spanish*, 1907-10.

Delhi, N. Y. Prepared by St. Agnes School, Albany, N. Y. Holder of Maria Hopper Sophomore Scholarship, 1908-09; Holder of Mary E. Stevens Junior Scholarship, 1909-10.

MURRAY, CLARA HUNSICKER, *Group, Mathematics and* ———, 1909-10.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Special Scholarship, 1909-10.

MURRAY, MAJORIE FRANCES, ...*Group*, ———, 1909-10.

Delhi, N. Y. Prepared by Delaware Academy, Delhi, and by St. Agnes School, Albany, N. Y.

NAGEL, CAROLINE LOUISE,
Hearer in English, German, French and Philosophy, 1909-10.

Meriden, Conn. Prepared by Miss Osborn's School, Meriden, Conn.; Ecole Chevalier, Vevey, Switzerland, and by private tuition.

NASH, CAROLINE RYAN, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by the National Cathedral School, Washington, D. C.

NATHANS, BEATRICE CORNELIA, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by Miss Keyser's School, Philadelphia, by Miss Gordon's School, Philadelphia, and by private tuition.

NEARING, DOROTHY, ...*Group, Mathematics and Chemistry*, 1906-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-10.

O'CONNOR, AGNES, ...*Group*, ———, 1909-10.

Flushing, N. Y. Prepared by the High School, Flushing.

OWEN, CLARA MARIE, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

PAGE, KATHARINE ALICE, ...*Group*, ———, 1909-10.

New York City. Prepared by the Dwight School, Englewood, N. J.

PARKER, ALPINE BODINE,
Group, History and Economics and Politics, 1907-10.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Foundation Scholarship, 1907-10.

PARKHURST, HELEN HUSS, ...*Group, Latin and English*, 1907-10.

Englewood, N. J. Prepared by the Dwight School, Englewood.

PATTERSON, ALICE DUDLEY, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia, and by the Agnes Irwin School, Philadelphia. Holder of the Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1909-10.

PECK, MARGARET WINTHROP. ....*Group, Greek and Latin*, 1908-10.

Bristol, Conn. Prepared by the High School, Bristol, and by the Baldwin School, Bryn Mawr, Pa.

PEIRCE, MARY, ...*Group*, ———, 1908-10.

Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by the Agnes Irwin School, Philadelphia.

PERKINS, LUCILE, ...*Group*, ———, 1909-10.

Dallas, Tex. Prepared by St. Mary's College, Dallas, by Madame Yeatman, Paris, France; by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

PINNEY, ELIZABETH, ...*Group*, ———, 1908-10.

New Brighton, Staten Island. Prepared by the Brearley School, New York City.

PINNEY, MARIE, ...*Group*, ———, 1909-10.

Willmar, Minn. Prepared by Stanley Hall, Minneapolis, Minn.

POND, CLARA PENNIMAN, ...*Group*, ———, 1909-10.

State College, Pa. Pennsylvania State College, 1907-09.

POND, MILLICENT, ...*Group, Mathematics and Chemistry*, 1907-10.

State College, Pa. Prepared by private tuition. Pennsylvania State College, 1905-07.

PORTER, FRANCES, ...*Group, Physics and Biology*, 1907-10.

Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill.

POTTBERG, ELLEN ESTHER, ...*Group, Physics and Chemistry*, 1907-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1907-10.

POTTER, EDNA MARGARET, ...*Group*, ———, 1909-10.

Detroit, Mich. Prepared by the Eastern High School, Detroit, and by the Mt. Ida School for Girls, Newton, Miss.

POWELL, EDITH WILLIAMS, ...*Group*, ———, 1902-05, 1909-10.

Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa., and by private tuition.

PRUSSING, MARGARET ALICE, ...*Group, English and German*, 1907-10.

Chicago, Ill. Prepared by the Chicago Latin School, Chicago.

PUTNAM, MAY, ..*Group, History and Economics and Politics*, 1905-10.

New York City. Prepared by the Brearley School, New York City.

PYFER,* ISABELLA MAY,
Group, German and French, 1904-06, 1908, 1908-10.

Norristown, Pa. Prepared by the Berlitz School and by private tuition.

RAMSEY, HELEN MARGUERITE,
Group, History and Economics and Politics, 1907-10.

Rosemont, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

RAWSON, GWENDOLYN, ...*Group*, ———, 1909-10.

Cincinnati, O. Prepared by the College Preparatory School, Cincinnati.

REICHENBACH, LUCIE VAUGHAN, ...*Group, Latin and French*, 1906-10.

Huntington, Ind. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

RICE, PHYLLIS, ..*Group, History and Economics and Politics*, 1907-10.

Lynn, Mass. Prepared by Miss Hazard's School, Boston, Mass., and by the Misses Shipley's School, Bryn Mawr, Pa.

RICHARDSON, ETHEL LOUISE, ...*Group, Latin and English*, 1907-10.

Philadelphia. Prepared by the High School, Colorado Springs, Colo., by the High School, Pasadena, Cal., and by private tuition.

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*Mrs. Howard F. Pyfer.

RICHTER, HELEN RUTH, ...*Group*, ———, 1909-10.
New York City. Prepared by the Gardiner School, New York City, and by the Benjamin Deane School, New York City.

RIGGS, HENRIETTA SANFORD,
Group, History and Economics and Politics, 1906-10.
Washington, D. C. Prepared by the Friends' School, Washington, and by private tuition.

ROBERTS, RUTH, *Group, History and Economics and Politics*, 1907-10.
Decatur, Ill. Prepared by the High School, Decatur, and by the Misses Shipley's School, Bryn Mawr, Pa.

ROBERTSON, EMMA SELLERS, ...*Group*, ———, 1909-10.
Bala, Pa. Prepared by All Saints School, Germantown, Philadelphia, and by Miss Roney's School, Bala, Pa.

ROE, MIRIAM, ...*Hearer by Courtesy in English*, 1909-10.
Omaha, Neb. Prepared by the High School, Omaha. Assistant in Bryn Mawr College Library, 1909-10.

ROGERS, ISOBEL MITCHELL, ...*Group, Physics and Chemistry*, 1907-10.
Yonkers, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

ROGERSON, JENNIE L., ...*Hearer by Courtesy in English*, 1909-10.
Lowell, Me. Prepared by the Normal Academy, Lee, Me. Trained Nurse, Bryn Mawr College, 1909-10.

ROOT, MARY LONGAKER, ...*Group, Latin and Mathematics*, 1906-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-10.

ROSS, ELIZABETH, ...*Group, Physics and Geology*, 1907-10.
Cleveland, O. Prepared by the Central High School, Cleveland.

ROSS, FRANCES LÜBBE, ...*Group*, ———, 1909-10.
Conshohocken, Pa. Prepared by the Agnes Irwin School, Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.

ROTAN, KATHERINE LIVINGSTON,
Group, Chemistry and Biology, 1906-10.
Waco, Tex. Prepared by Rosemary Hall, Greenwich, Conn.

RUSSELL, LOUISE STERNBERG, ...*Group, German and French*, 1907-10.
Cooperstown, N. Y. Prepared by the Balliol School, Utica, N. Y.

SCHRAM, HILPA SERENA,
Group, History and Economics and Politics, 1907-10.
Columbia, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Holder of Elizabeth Duane Gillespie Scholarship in American History, 1909-10.

SCHMIDT, KATHARINE REILY, ...*Group*, ———, 1909-10.
York, Pa. Prepared by Oldfield, Glencoe, Md., and by Rosemary Hall, Greenwich, Conn.

SCOTT, HELEN TOWNSEND, ..*Group, Greek and English*, 1905-09, 1910.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

SCOTT, MARION STURGES, ...*Group, English and Philosophy*, 1907-10.
Chicago, Ill. Prepared by the Girls' Latin School, Chicago, and by Rosemary Hall, Greenwich, Conn.

SCRIBNER, MARY E.
Group, History and Economics and Politics, 1908-10.
Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by Rosemary Hall, Greenwich, Conn.

SCRIPTURE, WINIFRED, ...*Group, Physics and Chemistry*, 1908-10.

New York City. Prepared by Luisen Schule, Berlin, and by Siebertsche Institut, Munich, Germany, and by Chappaqua Mountain Institute, Chappaqua, N. Y.

SCRUGGS, MARGARET, ...*Group*, ———, 1909-10.

Dallas, Tex. Prepared by Cowart Hall, Dallas, and by the Misses Kirk's School, Bryn Mawr, Pa.

SCUDDER, MARIE GRAVES, ...*Group*, ———, 1909-10.

Evanston, Ill. Prepared by Lake View High School, Chicago. Northwestern University, 1907-09.

SEELY, EVELYN ELIZABETH, ...*Group, Latin and German*, 1907-10.

Brockport, N. Y. Prepared by the State Normal School, Brockport. Mt. Holyoke College, 1906-07.

SELIG, ALICE, ...*Group*, ———, 1909-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

SHADBURN, LUCILE, ...*Group*, ———, 1909-10.

Buford, Ga. Prepared by Brenan College, Gainesville, Ga., by the Lucy Cobb Institute, Athens, Ga.; by the National Park Seminary, Forest Glen, Md., and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.

SHARMAN, LOU MAY, ...*Group, Mathematics and Physics*, 1908-10.

Reading, Pa. Prepared by the Girls' High School, Reading.

SHARP, HENRIETTA WOGAN, ..*Group, English and Philosophy*, 1906-10.

Newville, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

SHAW, KATHARINE LYDIA, ...*Group*, ———, 1908-10.

Glenshaw, Pa. Prepared by Preparatory School of Pennsylvania College, by Miss Gleim's School, Pittsburgh, and by private tuition.

SHEARER, MARGARET JULIET, ...*Group, Greek and English*, 1906-10.

New York City. Prepared by the Merrill-Van Laer School, New York City, and by the Brearley School, New York City.

SHELDON, MARTHA, ...*Group*, ———, 1908-10.

Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

SHELDON, MARY, ...*Group*, ———, 1909-10.

Chicago, Ill. Prepared by Rosemary Hall, Greenwich, Conn., and by Miss Spence's School, New York City.

SHENSTONE, MARY ELSIE, ...*Group*, ———, 1909-10.

Toronto, Ontario, Canada. Prepared by Miss Veal's School, Toronto. University of Toronto, 1908-09.

SHIPLEY, ELIZABETH TAYLOR, ...*Group*, ———, 1909-10.

Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Holder of Foundation Scholarship, 1909-10.

SHIPLEY, MARY BOYD, ...*Group, Latin and French*, 1906-10.

Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Holder of Foundation Scholarship, 1909-10.

SHLOSS, IRMA BRONETTE, ...*Group*, ———, 1908-10.

Des Moines, Ia. Prepared by the High School, West Des Moines.

SIMONDS, CHARLOTTE VICTORINE,
Group, Mathematics and Physics, 1905-10.

New York City. Prepared by the Brearley School, New York City. Holder of the Second Bryn Mawr Matriculation Scholarship for New York, New Jersey, and Delaware, 1906-07.

Simpson, Adelaide Douglas, ...*Group*, ———, 1909-10.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1909-10.

Smith, Hilda Worthington,
Group, Economics and Politics and Philosophy, 1906-10.
West Park, N. Y. Prepared by the Veltin School, New York City.

Smith, Margery, *Group, History and Economics and Politics*, 1907-10.
Balston Spa, N. Y. Prepared by the Bennett School, Irvington-on-Hudson, N. Y.

Southwick, Jean Frances,
Group, History and Economics and Politics, 1908-10.
Brooklyn, New York City. Prepared by Packer Collegiate Institute, Brooklyn.

Spry, Gladys, ..*Group, History and Economics and Politics*, 1908-10.
Evanston, Ill. Prepared by the High School, Evanston. Northwestern University, 1907-08.

Stearns, Anna, ...*Group, Latin and French*, 1907-10.
Nashua, N. H. Prepared by the High School, Nashua, and by private tuition.

Stecher, Lorle Ida, ...*Group*, ———, 1908-10.
Philadelphia. Prepared by the Manual Training High School, Indianapolis, Ind., and by the Girls' High School, Philadelphia. Holder of City Scholarship, 1908-10.

Steele, Edith Rachael, ...*Group*, ———, 1909-10.
Pittston, Pa. Prepared by the High School, West Pittston, Pa., and by Wyoming Seminary, Kingston, Pa.

Stetson, Lydia Almy, ...*Group*, ———, 1909-10.
New Bedford, Mass. Prepared by the Friends' Academy, New Bedford, and by Rosemary Hall, Greenwich, Conn.

Stevens, Cynthia Jarden,
Group, History and Economics and Politics, 1908-10.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Stirling, Jean Wedderburn, ...*Group*, ———, 1908-10.
Chicago, Ill. Prepared by the Dearborn Seminary, Chicago, and by the University High School, Chicago. Holder of Second Bryn Mawr Matriculation Scholarship for the Western States, 1908-09.

Stoddard, Yvonne, ...*Group*, ———, 1909-10.
Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. Holder of First Bryn Mawr Matriculation Scholarship for the New England States, 1906-07.

Stohr, Keinath, ...*Group*, ———, 1909-10.
Chicago, Ill. Prepared by the Chicago Latin School, Chicago.

Storer, Frances Louise,
Group, History and Economics and Politics, 1906-08, 1909, 1909-10.
Toledo, O. Prepared by the High School, Champaign, Ill., and by private tuition. University of Illinois, 1905-06.

Stout, Katharine Houghton, ...*Group*, ———, 1909-10.
Chicago, Ill. Prepared by the Ross-Boyesen School, and by Rosemary Hall, Greenwich, Conn.

Stratton, Alice, ...*Group*, ———, 1908-10.
Philadelphia. Prepared by the Bardwell School, Philadelphia, and by Miss Hills's School, Philadelphia.

SWANZY, NORA HASTINGS, ...*Group*, ———, 1909-10.

Honolulu, H. I. Prepared by Oahu College, Honolulu, and by Wykeham Rise, Washington, Conn.

SWIFT, ELISABETH,
Group, History and Economics and Politics, 1906-10.

New York City. Prepared by the Brearley School, New York City.

SWIFT, NATHALIE, ...*Group*, ———, 1909-10.

New York City. Prepared by the Brearley School, New York City. Holder of Second Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1909-10.

TABER, IZETTE, ..*Group, History and Economics and Politics*, 1906-10.

Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

TAFT, HELEN HERRON,
Group, History and Economics and Politics, 1908-10.

Washington, D. C. Prepared by the National Cathedral School, Washington, and by the Baldwin School, Bryn Mawr, Pa. Holder of First Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1908-09.

TAPPAN, ELIZABETH, ...*Group, Greek and Latin*, 1906-10.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1906-08.

TAYLOR, ALICE MARION, ...*Group*, ———, 1909-10.

New York City. Prepared by the Willard School, Berlin, Germany.

TAYLOR, MARY MINOR WATSON,
Group, Mathematics and Physics, 1907-10.

Richmond, Va. Prepared by Miss Morris's School, Richmond, and by private tuition.

TENNEY, ELIZABETH LOUISE,
Group, History and Economics and Politics, 1906-10.

Chicago, Ill. Prepared by the University High School, Chicago. University of Chicago, 1905-06.

TERRY, CATHERINE LOUISE,
Group, History and Economics and Politics, 1908-10.

New York City. Prepared by the Veltin School, New York City.

THACKRAY, MARGARET, ...*Group*, ———, 1909, 1909-10.

Johnstown, Pa. Prepared by the High School, Johnstown.

THOMAS, ETHEL MARIAN, ...*Group*, ———, 1908-10.

Philadelphia. Prepared by the Philadelphia Collegiate Institute, by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

THOMPSON, CATHERINE REICHENBACH, ...*Group*, ———, 1908-10.

Pittsburgh, Pa. Prepared by the High School, Pittsburgh, and by Dilworth Hall, Pittsburgh.

THOMPSON, CLARA BELLE, ..*Group, Mathematics and* ———, 1909-10.

Hopkinsville, Ky. Prepared by the High School, East Denver, Colo.; by the the High School, Paducah, Ky., and by the Girls' High School, Louisville, Ky.

THOMPSON, MARJORIE LA MONTE,
Group, English and Philosophy, 1908-10.

Philadelphia. Prepared by Miss Gordon's School, Philadelphia.

THWING, APPHIA STANLEY, ...*Group*, ———, 1909-10.

Cleveland, O. Prepared by the Laurel School, Cleveland.

Tomlinson, Joy, ...*Group*, ———, 1909-10.
Birmingham, Ala. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

Tongue, Mary Van Arsdale, ...*Group*, ———, 1909-10.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1909-10.

Tredway, Helen, ...*Group. Physics and Chemistry*, 1907-10.
Dubuque, Ia. Prepared by the High School, Dubuque. Holder of the Second Bryn Mawr Matriculation Scholarship for the Western States, 1907-08.

Turner, Grace, ...*Group, Greek and Latin*, 1909-10.
Berwyn, Pa. Prepared by the Girls' High School, Philadelphia.

Van Schaack, Albione Libby,
Group, History and Economics and Politics, 1906-10.
Chicago, Ill. Prepared by the Girton School, Winnetka, Ill.

Vennum, Mary Durham, ..*Group, Mathematics and Physics*, 1908-10.
Onarga, Ill. Prepared by Grand Prairie Seminary, Onarga, by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.

Vernon, Ethel, ...*Group*, ———, 1909-10.
Wilmington, Del. Prepared by the Friends' School, Wilmington.

Vincent, Isabel Darlington,
Group, French and Italian and Spanish, 1908-10.
Chicago, Ill. Prepared by the University High School, Chicago.

Walker, Amy Morehead, ...*Group*, ———, 1907-10.
Chicago, Ill. Prepared by the Girls' Latin School, Chicago.

Walker, Esther,
Group, History and Economics and Politics, 1906-09, 1910.
Albany, N. Y. Prepared by the Fenimore Cooper School for Girls, Albany.

Walker, Harriet Warner, ...*Group*. ———, 1909-10.
Chicago, Ill. Prepared by the Girls' Latin School, Chicago.

Walter, Marjorie Fannie,
Group, History and Economics and Politics, 1908-10.
New York City. Prepared by St. Mary's School, New York City, and by private tuition.

Walton, Lillie Sophia, ...*Group*, ———, 1909-10.
Hummelstown, Pa. Prepared by the High School, Hummelstown, and by the Misses Shipley's School, Bryn Mawr, Pa.

Ware, Clara Crosby,
Group, History and Economics and Politics, 1906-10.
Hingham, Mass. Prepared by the High School, Hingham, and by private tuition.

Warner, Margaret Douglas, *Group, English and Philosophy*, 1908-10.
Washington, D. C. Prepared by the Holton-Arms School, Washington.

Warrin, Martha de Raismes, ...*Group*, ———, 1909-10.
Flushing, Long Island, N. Y. Prepared by Miss Master's School, New York City, and by private tuition.

Watson, Louise, ...*Group, Mathematics and Philosophy*, 1908-10.
Portsmouth, Va. Prepared by the Baldwin School, Bryn Mawr, Pa.

Webb, Celeste,
Group, History and Economics and Politics, 1905-09, 1910.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

WELLES, CARLOTTA, ...*Group*, ———, 1908-10.

Paris, France. Prepared by Villa Dupont, Paris, and by the Baldwin School, Bryn Mawr, Pa. Holder of Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1907-08.

WELSH, FLORENCE MAY,
Hearer in English, Philosophy, Art and Biology, 1909-10.

East Orange, N. J. Prepared by the Veltin School, New York City.

WELLS, RUTH, ...*Group, Greek and English*, 1907-10.

Hanover, N. H. Prepared by the High School, Hanover, N. H.

WESNER, MARY BOYDE, ...*Group, Latin and German*, 1906-10.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1906-10.

WHITTEMORE, ALICE, ...*Group, Mathematics and Physics*, 1906-10.

Grand Rapids, Mich. Prepared by St. Timothy's School, Catonsville, Md., and by private tuition.

WILBUR, CONSTANCE CAROLINE,
Group, Mathematics and Geology, 1907-10.

Asbury Park, N. J. Prepared by the High School, Asbury Park.

WILBUR, FLORENCE LENORE,
Group, History and Economics and Politics, 1906-10.

Asbury Park, N. J. Prepared by the High School, Asbury Park.

WILDMAN, MARION KIRK, ...*Group, German and Spanish*, 1906-10.

Norristown, Pa. Prepared by the High School, Norristown, by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

WILLIAMS, KATHARINE DELANO, ...*Group*, ———, 1909-10.

Dedham, Mass. Prepared by Miss Winsor's School, Boston, Mass.

WILLIAMS, MARY ALMIRA,
Group, Economics and Politics and Philosophy, 1907-10.

Indianapolis, Ind. Prepared by the Girls' Classical School, Indianapolis, and by the Misses Shipley's School, Bryn Mawr, Pa.

WILSON, HELEN ANDERSON, ...*Group*, ———, 1909-10.

Paoli, Pa. Prepared by Miss Helen R. Potts, Swedeland, Pa., by Miss Child's College Preparatory Classes, Philadelphia, and by the Misses Kirk's School, Bryn Mawr, Pa.

WOLFF, DOROTHY SYBIL,
Group, Economics and Politics and Philosophy, 1908-10.

New York City. Prepared by the Finch School, New York City.

WOOD, AGNES PENMAN,
Group, History and Economics and Politics, 1907-10.

Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

WOOD, FLORENCE, *Group, History and Economics and Politics*, 1907-10.

Pittsburgh, Pa. Prepared by the Thurston Preparatory School, East End, Pittsburgh.

WORTHINGTON, MARY DOROTHY WHITALL,
Group, Chemistry and Biology, 1906-10.

New York City. Prepared by the High School, Kensington, London, England.

YARNALL, EMMA, ...*Group, Latin and French*, 1907-10.

Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore, and by the Friends' Central School, Philadelphia.

ZABRISKIE, ZAYDA JUSTINE, ... *Group*, ———, 1909-10.
New York City. Prepared by Miss Porter's School, Farmington, Conn., and by the Brearley School, New York City.

ZIESING, GERTRUDE LENORE, ... *Group*, ———, 1909-10.
Glencoe, Ill. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

SUMMARY OF STUDENTS.

Class of 1910	72	
" " 1911	65	
" " 1912	86	
" " 1913	105	
" " 1914	1	
Hearers	8	
		337
Resident Fellows	12	
Graduates	72	
		84
European Fellows		4
Total		425

BRYN MAWR COLLEGE.

Introductory Statemen

Bryn Mawr College was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first program was issued, and the college was opened for instruction in the autumn of 1885.

Admission.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Graduat Students

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

Fellows and Scholars.

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European traveling fellowships, thirteen resident fellowships and eighteen graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 68 to 70.

Undergraduate Students.

Undergraduate students must have fulfilled the requirements for matriculation, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 57 to 64.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers.

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree. They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

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*For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

Examination for Matriculation.

The examination for matriculation must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honorable dismissal from some college or university of acknowledged standing.*

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*The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examinations of the College will be accepted, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The matriculation examination may not be taken in more than two divisions; but, if this rule be observed, candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the College Entrance Examination Board in the fourth week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been also offered in the division which is to be counted) must be offered again, together with a sufficient number of the

The examination for matriculation is open to those also who wish to take it as a test of proficiency in elementary studies, but have no intention of entering the college; and certificates are given to those who are successful in passing the examination.*†

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sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination; in the case of a condition in French or German, however, the entire examination in the language must be taken, unless the condition is in *grammar only*, in which case it may be removed by passing the Bryn Mawr College examination in grammar; and in the case of a condition in English Composition incurred in the Bryn Mawr College examination the entire examination in English, *a* and *b* must be passed in order to remove the condition by passing the College Entrance Examination Board's examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the eight Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

TABLE OF EQUIVALENT EXAMINATIONS.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
Subjects.		*Subjects.*	*Sections.*
Mathematics: *a*, *i* and *ii*,	=	Algebra	2
Mathematics: *c*,	=	Plane Geometry	2
Latin: *l*,	=	Latin Grammar and Prose Composition	1
Latin: *p*,	=	Latin Prose Authors	2
Latin: *q*,	=	Latin Poetry	1
English: *b*,	=	English Grammar	1
English: *a*,	=	English Composition	3
History: *a* or *c* or *d*,	=	Greek and Roman, or English, or American History	1
Physics, or Chemistry, or Botany, or Geography, or Zoology:	=	Science	1
Greek: *f*,	=	Greek Grammar and Composition	1
Greek: *g*,	=	Greek Prose Authors	1
Greek: *h*,	=	Greek Poetry	1
French: *a*, and combined examination (*b* and *c*),	=	French Grammar and Translation	3
German: *a*, and combined examination (*b* and *c*),	=	German Grammar and Translation	3
Examinations for Advanced Standing.			
Mathematics: *d*,	=	Solid Geometry.	
Mathematics: *e*,	=	Trigonometry.	
No Equivalent	=	Minor Latin.	

* Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

† For the eight competitive entrance scholarships, awarded annually, see page 77.

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held in the spring, autumn, and winter of every year at Bryn Mawr College, and in the spring of every year may be held at other places; they are always held in the spring at the regular centres: Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond and London (England), and candidates taking examinations at these places are charged a fee of five dollars for the whole or any part of the examination. Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past six years examinations have been held by request at the following places:

California: Berkeley, Los Angeles, Pasadena, San Francisco; Colorado: Denver; Connecticut: Greenwich, Washington; District of Columbia: Washington; Georgia: Savannah; Indiana: Fort Wayne, Indianapolis; Iowa: Dubuque; Kentucky: Louisville; Massachusetts: Cambridge, Fall River; Michigan: Detroit; Minnesota: Minneapolis; Missouri: St. Louis; New Jersey: Trenton; New York: Binghamton, Buffalo, New Rochelle, Rochester, Utica; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Carlisle, Harrisburg, Lititz, Pittsburgh, Scranton, Wilkes Barre; Rhode Island: Providence; Virginia: Richmond; Wisconsin: Fond du Lac, Madison, Milwaukee; France: Paris; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination at Bryn Mawr College must apply to the Secretary of the College at least two weeks before the date set for the beginning of the examinations and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars, charged for each division of the examination. Candidates who do not apply *two weeks* before the date of the beginning of the examinations will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere than at Bryn Mawr College must apply to the Secretary of the College at least *six weeks* before the date set for the beginning of the examinations. Candidates who fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

Tabular Statement.—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all** of the following subjects, counted as equivalent to twenty sections, must take the examination in not more than two divisions, and must pass not fewer than four sections in the first division and not fewer than fifteen sections in the two divisions. No candidate will be admitted to Bryn Mawr College if conditioned in more than five sections.

Subjects			*Sections.*
Algebra			2
Plane Geometry			2
Latin Grammar and Prose Composition			1
Latin Prose Authors			2
Latin Poetry			1
English Grammar			1
English Composition			3
History			1
Science			1
Greek Grammar and Prose Composition	1	Two of these three languages	6
Greek Prose Authors	1		
Greek Poetry	1		
German Grammar and Translation	3		
French Grammar and Translation	3		
			20

The number of sections allotted to each subject indicates approximately the time which should be devoted to preparation for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years, since each counts as four sections of the examination; History and Science should be studied for one year, since each counts as one section; and the two languages (Greek and German, or Greek and French, or German and French) should each be studied for three years, since each counts as three sections, or three-twentieths of the examination.

The examination may not be taken in more than two divisions, and in each division the candidate may offer any sections she pleases, provided that, if she offer French or German, she offer in the same division of the examination all the three sections grammar and prose and verse translation.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated. In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

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* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a reasonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within twelve months after the student enters the college, under penalty of exclusion from full college work during the following year. A fee of three dollars is charged for each condition examination except conditions in spelling and punctuation for which the fee is one dollar. Students with entrance conditions in Greek, Latin, English, German, French, or Mathematics are not permitted to attend the college courses in these subjects until the conditions have been passed off.

The candidate *may* offer for examination before entrance the remaining language (either French, or German, or Greek,* whichever was not included by the candidate in the above twenty sections), and if this subject is not passed before entrance, the candidate must pass an examination in it before receiving the degree of Bachelor of Arts.†

Candidates desiring to enter with advanced standing *may* offer for examination before entrance trigonometry‡ and solid geometry. These subjects are not necessarily included in the

requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the Bachelor's degree, which represents in every case four years of study in the college classes.

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* Students that have omitted Greek in the examination for matriculation may substitute for the matriculation course in Greek the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections, constituted as follows:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 48, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Livy, *Book xxi.*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin.

B. Horace, *Odes*, except *i.* 25, 27, 33, 36; *ii.* 5; *iii.* 6, 15, 20; *iv.* 1, 10, 13; *Epodes*, except 3, 5, 8, 11, 12, 15, 17; *Carmen Sæculare; Satires i.* 1, 5, 6, 9; *ii.* 6; *Epistles i.* 1, 5, 6, 7, 8, 10, 14, 20.

No substitutions are allowed for any part of the above requirements, except in the case of students entering with advanced standing from other colleges.

There are two examinations, one in Section *A* and one in Section *B*, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the college class, and the other offered for examination without attendance upon the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† If this examination is not passed before the beginning of the student's third year in the college, she must enter the college class in the subject.

‡ For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 50.

Mathematics

I. Mathematics.—(1) and (2) Algebra. (3) and (4) Plane Geometry.

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential.

In Algebra, C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham), and in Geometry, Phillips and Fisher's *Elements of Geometry* (abridged edition) or Wentworth's *Geometry*, will serve to indicate the preparation required for these examinations.

Latin.

II. Latin.—(1) Grammar and Composition. (2) and (3) Translation at sight of simple passages in Latin prose. (4) Translation at sight of simple passages in Latin poetry. Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The so-called Roman method of pronunciation as explained in one of the standard Latin grammars is required.

As many schools are introducing the "natural method" as a substitute for thorough grammatical training, attention is called to the fact that special stress is laid on an accurate and ready knowledge of grammatical forms. A knowledge of paradigms and parts of irregular verbs is insisted upon.

History.

III. History.—(1) The outlines of the History of Greece and Rome; *or* the outlines of the History of England; *or* the outlines of the History of the United States.

Botsford's *History of Greece*, Botsford's *History of Rome*, Andrews's *History of England*, Cheyney's *A Short History of England*, and McLaughlin's *History of the American Nation*, or Adams and Trent's *History of the United States*, will serve to indicate the preparation required.

English.

English.—(1) English Grammar. (2), (3) and (4) English Composition. The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English composition consists of a critical composition, and, in addition, in order that the three sections of the examination may not depend solely on this critical paper, of one or two paragraphs in which the candidate is asked to give in descriptive or narrative form the substance of important parts of the required reading.

In 1910 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V, Macbeth,* and *The Merchant of Venice;* Milton's *Lycidas, Comus, L'Allegro,* and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Intimations of Immortality, "Three years she grew in sun and shower," The Solitary Reaper, "O Nightingale! thou surely art," "The world is too much with us," "Earth has not anything to show more fair," "It is not to be thought of that the flood";* Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais, Sensitive Plant,* and *To a Skylark;* Keats's *Eve of St. Agnes, Ode to Autumn,* and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Thackeray's *Henry Esmond.*

In 1911 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V, Macbeth,* and *As You Like It;* Milton's *Lycidas, Comus, L'Allegro,* and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Tintern Abbey, "Three years she grew in sun and shower," The Solitary Reaper, "O Nightingale! thou surely art," "The world is too much with us," "Earth has not anything to show more fair," "It is not to be thought of that the flood";* Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais, Sensitive Plant,* and *To a Skylark;* Keats's *Eve of St. Agnes, Ode to Autumn,* and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Thackeray's *Henry Esmond.*

In 1912 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V, Macbeth,* and *The Merchant of Venice;* Milton's *Lycidas, Comus, L'Allegro,* and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Tintern Abbey, "Three years she grew in sun and shower," The Solitary Reaper, "O Nightingale! thou surely art," "The world is too much with us," "Earth has not anything to show more fair," "It is not to be thought of that the flood";* Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais, Sensitive Plant,* and *To a Skylark;* Keats's *Eve of St. Agnes, Ode to Autumn,* and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Thackeray's *Henry Esmond.*

In 1913 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V,* and *The Merchant of Venice;* Milton's *Paradise Lost,* Books I and II; the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Tintern Abbey, "Three years she grew in sun and shower," The Solitary Reaper, "O Nightingale! thou surely art," "The world is too much with us," "Earth has not anything to show more fair," "It is not to be thought of that the flood";* Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Ode to the West Wind, To a Skylark, To a Cloud,* and *"Swiftly walk over the Western Wave";* Keats's *Eve of St. Agnes, Ode to Autumn,* and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Macaulay's *Life of Johnson;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Stevenson's *Kidnapped.*

The following books agreed on for the years 1910, and 1911 by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States, will be accepted in those years as equivalents for the books prescribed for the English examinations of Bryn Mawr College: Chaucer's *Prologue;* Shakespeare's *Henry V, Macbeth,* and *The Merchant of Venice;* Milton's *L'Allegro, Il Penseroso, Lycidas,* and *Comus;* the *Sir Roger de Cover-*

ley Papers in the *Spectator;* Palgrave's *Golden Treasury* (*first series*) *Book IV*, with special attention to Wordsworth, Keats, and Shelley; De Quincey's *Joan of Arc* and *The English Mail Coach;* Burke's *Speech on Conciliation with America;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Carlyle's *Essay on Burns;* Ruskin's *Sesame and Lilies;* Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and the *Passing of Arthur.*

In 1912 and 1913 Coleridge's *Ancient Mariner* must be added to and Milton's *Lycidas* omitted from this list; and in 1913 Macaulay's *Life of Johnson* must be added to and Carlyle's *Essay on Burns* omitted from this list.

The books prescribed for candidates taking the regular examinations for matriculation in any given year are required also of candidates taking the matriculation examination held in January of the year following. Candidates passing off conditions after admission to the college may offer the books prescribed in the examination in which the condition was imposed.

In preparing for this examination special attention should be given to paragraph-structure and sentence-structure. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for this division of the examination.

Science.

Science.—(1) The elements of one of the following sciences: —Physics, *or* Chemistry, *or* Botany, *or* Physiology, *or* Physical Geography.

Carhart and Chute's *Elements of Physics*, or Mann and Twiss's *Physics;* Remsen's *Introduction to the Study of Chemistry* (Briefer Course); Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology;* Hough and Sedgwick's *Elements of Physiology*, or Fitz's *Physiology and Hygiene* will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

IV. Two of the following languages:

Greek.

Greek.—(1) Grammar and Composition. (2) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia.* (3) Translation at sight of passages of average difficulty from Homer. In (2) and (3) due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.

French.—(1) The examination in French is in three divisions, one to test the candidate's knowledge of ordinary grammatical forms, the other two, her power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire*, *craindre*, *paraître*, *partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in that language.

German.

German.—(1) The examination in German is similar to that in French, and tests the candidate's knowledge of ordinary grammatical forms, and ability to read ordinary German at sight.

Studies Leading to the Degree of Bachelor of Arts.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade above that of "passed," that is, the grade of seventy per cent or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaintance with Latin. In the last year before graduation, oral examinations are held to test her ability to read French and German at sight. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years; she must have exercised regularly four hours a week in accordance with the rules of the department of Physical Culture.

If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has taken out of the one hundred and twenty to be offered for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year. She will be on probation during these two years and her work will be prescribed by a committee of the Faculty, the object being to enable her to raise the standard of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

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* The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the fourth language, trigonometry, and solid geometry, when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without further examination. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination. Since this rule was passed no student who has not fulfilled the requirements as above stated has received a degree.

No student who, at any time during her course, has received a grade below seventy per cent in as many as one-half of the hours that she has taken will be permitted to hold office in any of the organisations of the College, to take part in entertainments requiring preparation, or to undertake any paid work.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

Required Studies.

*Greek or French or German,** five hours a week for one year, when this subject has not been included in the examination for matriculation. Those students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.†

English, five hours a week for two years.

Philosophy, five hours a week for one year.

Science, five hours a week for one year.

Science, or *History*, or *Economics and Politics*, or *Philosophy*, or *Mathematics*, five hours a week for one year.

Two Major Courses, of five hours a week for two years each, constituting one of the following Groups: any Language with any Language;‡ Comparative Literature with English, or Italian, or Spanish;‡ History with Economics and Politics; Economics and Politics with Philosophy; Archæology and History of Art with Greek or Latin; Philosophy with Greek, or English, or Mathematics, or Physics; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology; any Science with any Science.

Free Elective Courses.

Free Elective Courses, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective, without electing the group that includes it, and any courses open as free electives, may be chosen without taking the remainder of the minor course of which they may form a part.

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* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study.

†A student choosing Latin as one of the languages of her Group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or of French, or of German, or of Italian, or of Spanish.

‡ For the purpose of forming a Group, Italian and Spanish may count as one language, they may be combined so as to form a course of five hours a week for two years, as explained on page 122.

Tabular Statement

The studies required for a degree may for convenience be tabulated as follows:

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.*
English. [*Two Courses.*]	Philosophy.	Science: Physics, or Chemistry, or Geology, or Biology.	Science, or History, or Economics and Politics, or Philosophy, or Mathematics.‡	Matriculation French, or Matriculation German, or Matriculation Greek (or Minor Latin).†

Two Major Courses (Five hours a week for Two Years Each).

Constituting any one of the following forty-three groups:

I—XX. Any Language with any Language§ (Twenty Groups).	XXI. Comparative Literature with English.	XXII. Comparative Literature with Italian.	XXIII. Comparative Literature with Spanish.
XXIV. Comparative Literature with Italian and Spanish.§	XXV. History with Economics and Politics.	XXVI. Economics and Politics with Philosophy.	XXVII. Philosophy with Greek.

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* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German; attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the course in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attendance on the college class after the beginning of the junior year.

† A student choosing Latin as one of the languages of her group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or of French, or of German, or of Italian, or of Spanish.

‡ Students electing minor mathematics must also elect trigonometry, two hours for one semester, or offer it for examination before entering these courses. Trigonometry and solid geometry may not be offered for examination without attendance on the college class after the beginning of the junior year.

§ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years, as explained on page 122.

XXVIII.
Philosophy
with
English.

XXIX.
Philosophy
with
Mathematics.

XXX.
Philosophy
with
Physics.

XXXI.
Archæology and
History of Art
with
Greek.

XXXII.
Archæology and
History of Art
with
Latin.

XXXIII.
Mathematics
with
Greek.

XXXIV.
Mathematics
with
Latin.

XXXV.
Mathematics
with
Physics.

XXXVI.
Mathematics
with
Chemistry.

XXXVII.
Mathematics
with
Geology.

XXXVIII—XLIII.
Any Science
with
any Science
(Six Groups).

Free Elective Courses.

Ten hours a week for one year in any subject, or subjects, the student may elect.

The Group System. All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and a comprehension of it is essential to an understanding of the courses of instruction.

Major Course. In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is marked as a Minor Course. It is required of every candidate for a degree to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English, philosophy, science, (or, if a second year of science be not elected, history, or economics and politics, or philosophy, or mathematics) are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

Required Courses. The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

Post-major Courses.

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

Free Elective Courses.

All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being properly included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes.

CLASSICS. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, *or* Art and Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Mathematics). *As a Group*, German and French, *or* German and Italian and Spanish, *or* French and Italian and Spanish. *As Free Electives*, Italian and Spanish, *or* Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy). *As a Group*, Greek and English, *or* Latin and English, *or* English and German, *or* English and French, *or* English and Italian and Spanish, *or* English and Spanish, *or* English and Comparative Literature, *or* English and Philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Physics, another Science, (*or* Post-major Mathematics, *or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics). *As a Group*, Mathematics and Greek. *As Free Electives*, Trigonometry, Post-major Mathematics, and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Chemistry, another Science, (Geology, *or* Biology), *or* Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Trigonometry, Post-major Mathematics, and Post-major Physics, ten hours a week for one year.

HISTORY. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, another Science, (*or* Oriental History, *or* Post-major History, *or* Economics and Politics, *or* Minor Philosophy, *or* Mathematics). *As a Group*, History and Economics and Politics. *As Free Electives*, Post-major History and Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Post-major Philosophy, ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics). *As a Group*, English and Philosophy. *As Free Electives*, Post-major Philosophy and Comparative Literature, ten hours a week for one year.

PHILOSOPHY (with Economics and Politics, *or* with Mathematics, *or* with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History). *As a Group*, Philosophy with Economics and Politics, *or* with Mathematics, *or* with Physics. *As Free Electives*, Post-major Philosophy, Trigonometry and Post-major Economics, *or* Mathematics, *or* Physics, ten hours a week for one year.

ARCHÆOLOGY AND ART (with Greek). *As Required Studies* [Matriculation French *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Biology, *or* Geology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Philosophy, *or* Mathematics). *As a Group*, Greek and Archæology and Art. *As Free Electives*, Post-major Archæology and Art, Post-major Greek, *or* Minor Latin, ten hours a week for a year.

SCIENCE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics, *or* Elective Mathematics). *As a Group*, Physics and Chemistry, *or* Physics and Geology, *or* Physics and Biology, *or* Chemistry and Geology, *or* Chemistry and Biology, *or* Geology and Biology. *As Free Electives*, Mathematics and Physics, *or* Chemistry, *or* Geology, *or* Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, *or* Minor Latin, (if not taken as a required study) ten hours a week for one year.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, Mediæval History. *As a Group*, any Language with any Language, *or* Chemistry and Biology. *As Free Electives*, Modern History, five hours a week for one year, and Post-major History five hours a week for one year.

II. *As above*, but for Mediæval History substitute Minor Economics and Politics, and for Modern History, Major Economics and Politics, and for Post-major History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Physics and Chemistry, *or* Geology, *or* Biology. *As a Group*, any Language with any Language. *As Free Electives*, Major and Post-major Physics *or* Chemistry, *or* Geology, *or* Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics, *or* Elective Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every student is expected to consult the President in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work.

The studies leading to the degree of Bachelor of Arts, may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and essay work in their first and second years in the college because they are required to complete this work before entering the major course in English; again, a student choosing philosophy as one of her major studies must take the general course in philosophy in her first year if she wishes to elect post-major work in philosophy. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the minor course in mathematics and for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work, and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes, and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered before the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. It is impossible for a student to reduce the length of the college course by one year unless she enters with knowledge considerably in advance of that required by the entrance examinations; otherwise the student will not be permitted to undertake the extra work which is too much to be accomplished during the summer vacations. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College, and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and of one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the proposed combination of major and minor subjects must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to a prescribed model, in the office of the Secretary of the College. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

European Traveling Fellowships.

The Bryn Mawr European Fellowship of the value of $500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of $500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of $500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of $700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

Resident Fellowships.

Twelve resident fellowships, of the value of $525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, History or Economics and Politics, Philosophy, Archæology, Mathematics, Physics, Chemistry, and Biology. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

A Research Fellowship in Chemistry of the value of $750 was founded in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The holder is required to reside at Bryn Mawr College for one year and to assist the head of the Department of Chemistry in research work.

Duties of Resident Fellows.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

Resident Graduate Scholarships.

Eighteen Graduate Scholarships, of the value of $200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

Scholarships for British and German Women.

Ten Graduate Scholarships, of the value of $405 each, were founded in 1909, five for English, Scotch, or Irish women, and five for German women, and are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar.

Duties of Resident Scholars.

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

pplications for Resident Fellowships and Scholarships.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

Tuition for Graduate Students.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.† This arrangement is

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*In the case of candidates for the Scholarships open to British and German women applications must be received by April the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany.

†The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Residence for Graduate Students.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars.

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of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 71 are charged in addition to the charge for tuition.

Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.[*]

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. In other cases the deposit will be forfeited.

Summary of Expenses for Graduate Students.

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:

For one hour[†] a week of lectures	$ 10.00
For two hours a week of lectures	$ 20.00
For three hours a week of lectures	$ 30.00
For four or five hours a week of lectures	$ 40.00
For six or more hours a week of lectures	$ 62.50
Room-rent for the academic year, payable on registration	$ 75.00
Board for the semester payable on registration	$100.00

Students whose fees are not paid within one month of the date fixed are not permitted to continue in residence or in attendance on their classes.

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures	$125.00
Room-rent	$ 75.00
Board	$200.00
Infirmary fee	$ 5.00
Total for tuition, residence, and infirmary care for the academic year	$405.00
Laboratory fees for the academic year	$10 to $36

Tuition for Undergraduate Students.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, irrespective of the number of courses attended or the actual time of attendance, and is payable in advance.[‡] No reduction of this fee can be made on account of absence or for any other reason whatsoever. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

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[*] Rugs and towels must be furnished by the students themselves. Graduate students will, on request, be supplied with rugs.

[†] See footnote, page 70.

[‡] Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

Residence for Undergraduate Students.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighborhood. The expense of board and residence in the college halls for undergraduate students is three hundred dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred or three hundred and twenty-five dollars. Of this charge two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent. and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the College. See page 171 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

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*Rugs and towels must be furnished by the students themselves.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since every room unnecessarily reserved may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded in the following cases:

a. If an applicant who is a student of the college gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of May preceding the academic year for which the application is made.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College that she wishes to withdraw her application before the fifteenth of July preceding the academic year for which the application is made.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of December preceding the semester for which the application is made.

In all other cases the deposit will be forfeited to the college.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in such case the deposit cannot be refunded. Every applicant for a room in February will, with the above exceptions, be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, this right being reserved exclusively by the college, no refund being made to the applicant in case the room or suite of rooms thus left vacant are relet. Every student who changes her room is required to pay an extra fee of fifteen dollars.

In case of prolonged illness and absence from the college extending over six weeks or more, there will be a proportionate reduction in the charge for board.

Rooms are assigned to the entering class during the summer preceding the academic year for which application is made. No particular room or set of rooms may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about $8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

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*Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

No charge is made for sending meals to students that are in the infirmaries by the order of the physicians of the college.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at $1.25 a day or $8.75 a week for graduate, and $1.50 a day or $10.50 a week for undergraduate students.

Students who expect to spend any part of the Christmas or Easter vacations in Bryn Mawr, Philadelphia, or the immediate neighborhood, not in their own homes and not in the college halls of residence, are required to consult the Secretary in regard to the arrangements that they wish to make.

Summary of Expenses for Undergraduate Students.

For undergraduate students the fees are as follows:

Tuition for the academic year, payable October 1st	$200.00
Room-rent for the academic year, payable October 1st or $125, $150, $175, $200, $225, $250, $275, $300, $350, depending on the room or rooms occupied.	$100.00*
Infirmary fee for the academic year, payable October 1st	$ 5.00
Board for the academic year, payable in equal instalments, October 1st and February 1st	$200.00
Total for tuition, residence and infirmary fee for the academic year with minimum room-rent	$505.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year	$ 10.00
For laboratory course of four or more hours a week for the academic year	$ 20.00
Graduation fee	$ 20.00

Students whose fees are not paid within one month of the date fixed are not permitted to continue in residence or in attendance on their classes.

Loan Fund.

The Students' Loan Fund of Bryn Mawr College was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnæ Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnæ Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Mary Taylor Mason, School House Lane, Germantown, Philadelphia; Mrs. Bernard Todd Converse, Ardmore, Pa., and Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before April 20th, of the preceding academic year.

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* In about one-sixth of the college rooms the rent is $100, making the cost of board, residence, and tuition for undergraduate students $500; but students desiring to apply for rooms at $100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

Scholarships.

SCHOLARSHIPS.—Eight competitive entrance scholarships, four of the value of $300 and four of the value of $200, were founded by the College in 1896. They are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College, a first scholarship of the value of $300 and a second of the value of $200 being open to candidates from each of the following districts:—(*a*) The New England States; (*b*) New York, New Jersey, and Delaware; (*c*) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (*d*) Pennsylvania and all places not included in (*a*), (*b*), and (*c*). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for the first scholarship who has received more than two conditions in the twenty sections of the examination, and no one is eligible for the second scholarship who has received more than four conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Eight scholarships for non-resident students of $200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnæ Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of $200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of $200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of $200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the eight competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of $200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of $400 each, for one year, are open to those graduates of Earlham, Penn, and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Four scholarships of $500 each, renewable for four consecutive years, were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships, two in number, each of the value of $250 for one year, were founded in 1897 by the Alumnæ Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than ten and not more than twenty-two and a half hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than thirty-seven and a half hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have obtained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed $150. The nominating committee consists of the President of Bryn Mawr College, two members of the Academic Council of the College, appointed annually by the Council, the President of the Alumnæ Association of Bryn Mawr College and three other members of the Alumnæ Association appointed by the executive committee of the Alumnæ Association. Applications for the scholarships should be addressed to the Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of $160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this Scholarship should be addressed to th President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of $200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of $200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of $100 was founded in 1901 in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnæ and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

A special Thomas H. Powers Memorial Scholarship of the value of $200 is given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Elizabeth Duane Gillespie Scholarship in American History of the value of $60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

Foundation of Scholarships.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

Form of Bequest.*

I give, devise and bequeath..

....*to the Trustees of Bryn Mawr College.*

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* The bequest may be made, if desired, for endowment, foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

Libraries. The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as of those of the college proper.

The college library has been collected within the past twenty-four years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about sixty thousand bound volumes, and ten thousand doctors' dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 90 and 128.

The books needed principally for graduate and research work are shelved in the fourteen seminary libraries and the books on physics, chemistry, geology and biology in the departmental libraries in Dalton Hall adjoining the laboratories in these subjects. The books of reference, sets of periodicals, and proceedings of societies and the main collection of the library are kept in the stack room.

In each of the six halls of residence are collections of from five to six hundred volumes each, consisting of books useful to undergraduate students, not only supplementing their private libraries, but duplicating such books in the general library as are most used. A seventh collection of this character is kept in the main library for the use of non-resident students.

Students may take from the general and departmental libraries for periods of two weeks each, any books except reference books and books reserved for special use. Books in the hall libraries and books reserved for special use may be taken for two hours.

The sum of about five thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Academy.
Annales Politiques et Littéraires.
Athenæum.
Atlantic Monthly.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.
Bookman.
Bookman (English).
*Book News Monthly.
Bookseller.
*Bryn Mawr Alumnæ Quarterly.
Bulletin of Bibliography.
*Bulletin of the New York Public Library.
Century.
*Columbia University Quarterly.
Contemporary Review.
Country Life in America.
La Cultura.
Cumulative Book Index.
Deutsche Rundschau.
Dial.
Fortnightly Review.
Forum.
Göttingische Gelehrte Anzeigen.
Harper's Monthly Magazine.
Harper's Weekly.
Harvard Graduate Magazine.
Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.
Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
*Johns Hopkins University, Circulars.
Library Journal.
Mercure de France.
Mind and Body.
*Monthly Bulletin of the Carnegie Library of Pittsburgh.
Münchener allgemeine Zeitung.
Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
Nation.
Nationale Deutschland.
Neue Rundschau.
Nineteenth Century.
North American Review.
Notes and Queries.
Nuova Antologia.
Outlook.
*Pennsylvania Library Notes.
Preussische Jahrbücher.
Publishers' Weekly.
Punch.
Putnam's Monthly and the Critic.
Quarterly Review.
*Rassegna Contemporanea.
Reader's Guide to Periodical Literature.
Review of Reviews.
Revue Critique d'Histoire et de Littérature.
Revue de Paris.
Revue des Deux Mondes.
Revue Politique et Littéraire: Revue Bleue.
Saturday Review.
Scribner's Magazine.
Spectator.
Der Türmer.
*Tipyn o' Bob.
*University of Colorado, Studies.
*University of Nebraska, Studies.
*University of Washington, Studies.
Westminster Review.
Die Woche.
World's Work.

Newspapers.

*Bryn Mawr Record.
New York Evening Post.
New York Times.
New York Tribune.
Philadelphia Public Ledger.

Art and Archæology.

American Journal of Archæology.
Bulletin de Correspondance hellénique.
*Bulletin of the Metropolitan Museum of Art, New York.
Burlington Magazine.

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*Presented by the Publishers.

Ephemeris Archaiologike.
Jahrbuch des Kaiserlich deutschen archäologischen Instituts.
Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
Jahreshefte des österreichischen archäologischen Institutes in Wien.
Journal of Hellenic Studies.
Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
*Museum of Fine Arts Bulletin, Boston.
Revue Archéologique.
Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
Allgemeines statistisches Archiv.
American Federationist.
*American Flag.
American Journal of Sociology.
American Political Science Review.
Annals of the American Academy of Political and Social Science.
Bibliographia Economica Universalis.
*Bulletin of the New York State Department of Labor.
*Bulletin of the University of Wisconsin, Economics and Political Science Series.
Columbia Law Review.
Economic Journal.
Economic Review.
Equity Series.
Harvard Law Review.
International Socialist Review.
Jahrbücher für Nationalökonomie u. Statistik.
Johns Hopkins University Studies in Historical and Political Science.
Journal of Political Economy.
Journal of the Royal Statistical Society.
Political Science Quarterly.
Publications of the American Economic Association.
Publications of the American Statistical Association.
Quarterly Journal of Economics.
Revue Bibliographique.
*Southern Workman.
Survey.
*University of Missouri Studies, Social Science Series.
*University of Pennsylvania Publications, Series in Political Economy and Public Law.
Vierteljahrschrift für Philosophie u. Soziologie.
Yale Review.
Zeitschrift für Socialwissenschaft.
Zeitschrift für Volkswirtschaft, Social-politik u. Verwaltung.

Education.

Education.
Educational Review.
Educational Times.
Elementary School Teacher.
Journal of Educational Psychology.
Journal of Pedagogy.
Lehrproben and Lehrgänge.
Pedagogical Seminary.
*Publications of the Association of Collegiate Alumnæ.
Revue Internationale de l'Enseignement Supérieur.
Revue Universitaire.
School Review.
*University of California Publications, Education.

History.

American Historical Review.
*Bulletin of the University of Wisconsin, History Series.
English Historical Review.
Historische Vierteljahrschrift.
Historische Zeitschrift.

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*Presented by the Publishers.

*Illinois State Historical Society Journal.
Klio, Beiträge zur alten Geschichte.
Pennsylvania Magazine of History.
Revue des Questions Historiques.
Revue Historique.
*University of Pennsylvania Publications, Series in History.
*University of Toronto Studies, History and Economics.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
Classical Journal.
Classical Philology.
Classical Quarterly.
Classical Review.
Classical Weekly.
Harvard Studies in Classical Philology.
Hermes.
Mnemosyne.
Le Musée Belge, Revue de Philologie Classique.
Philologische Untersuchungen.
Quellen und Forschungen zur lateinischen Philologie.
Revue de Philologie.
Revue des Etudes Grecques.
Rheinisches Museum für Philologie.
Rivista di Filologia.
Studi Italiani di Filologia Classica.
Wiener Studien, Zeitschrift für classische Philologie.
Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
Berliner philologische Wochenschrift.
Eranos.
Indogermanische Forschungen.
Journal of Philology.
Memoires de la Société Neo-philologique à Helsingfors.
Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
Transactions of the American Philological Association.
*University of Pennsylvania Publications, Series in Philosophy and Literature.
Zeitschrift für das Gymnasialwesen.
Zeitschrift für die österreichischen Gymnasien.
Zeitschrift für vergleichende Literaturgeschichte.
Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
Anglistische Forschungen.
Annales de la Société Jean-Jacques Rousseau.
Annales Romantiques.
Archiv für das Studium der neueren Sprachen.
Archivio Glottologico Italiano.
Arkiv for Nordisk Filologi.
Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
Beiträge zur Geschichte der deutschen Sprache und Literatur.
Bonner Studien zur englischen Philologie.
British Society of Franciscan Studies.
Bulletin de la Société des Anciens Textes Français.
Bulletin hispanique.
Chaucer Society, Publications (Both series).
Deutsche Literaturzeitung.
Dialect notes.
Early English Text Society Publications (Both series).
Englische Studien.
Euphorion.
German American Annals.
Germanisch-romanische Monatsschrift.
Giornale Dantesco.
Giornale Storico della Letteratura Italiana.
Goethe Jahrbuch.

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*Presented by the Publishers.

Jahrbuch der deutschen Shakespeare Gesellschaft.
Jahrbuch des Vereins für niederdeutsche Sprachforschung.
Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
Journal of Germanic Philology.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
Literarische Echo.
Literarisches Centralblatt.
Literaturblatt für germanische und romanische Philologie.
Le maître Phonétique.
Modern Language Notes.
Modern Language Review.
Modern Philology.
Münchener Beiträge zur romanischen und englischen Philologie.
Palaestra.
Poet-lore.
Publications of the Modern Language Association.
Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
Rassegna Bibliografica.
Revue d'Histoire Littéraire de la France.
Revue des Etudes Rabelaisiennes.
Revue Germanique.
Revue Hispanique.
Romania.
Romanische Forschungen.
Schriften der Goethe Gesellschaft.
Scottish Text Society, Publications.
Société des Anciens Textes francais, Publications.
Société des Textes Français Modernes, Publications.
Studi Medievali.
Wiener Beiträge zur englischen Philologie.
Zeitschrift für den deutschen Unterricht.
Zeitschrift für deutsche Philologie.
Zeitschrift für deutsches Altertum und deutsche Litteratur.
Zeitschrift für französische Sprache und Litteratur.
Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
Proceedings of the Society of Biblical Archæology.
Recueil d'archæologie orientale.
Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
Zeitschrift für ägyptische Sprache und Altertumskunde.
Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
Année Psychologique.
Archiv für die gesamte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.
Archives de Psychologie.
Archives of Psychology.
British Journal of Psychology.
Bulletin de l'Institut Psychologique.
International Journal of Ethics.
Journal de Psychologie.
Journal für Psychologie und Neurologie.
Journal of Philosophy, Psychology and Scientific Methods.
Mind.
Monist.
Philosophical Magazine.
Philosophical Review.
Psychological Bulletin.
Psychological Review.
Psycholgical Review; Monograph Supplements.
Psychological Review; Psychological Index.
Psychologische Arbeiten.
Psychologische Studien.
Revue de l'Hypnotisme.
Revue de Metaphysique.

- Revue Philosophique.
- *University of California Publications, Philosophy.
- *University of Toronto Studies, Psychology Series.
- Vierteljahrsschrift für wissenschaftliche Philosophie.
- Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1 abt., Zeitschrift für Psychologie. 2 abt., Zeitschrift für Sinnesphysiologie.

Religion.

- American Friend.
- American Journal of Religious Psychology and Education.
- American Journal of Theology.
- †Association Monthly.
- †Australasian Intercollegian.
- *Baptist Missionary Magazine.
- †Bible Student and Teacher.
- Biblical World.
- Bibliotheca Sacra.
- *Deaconess Advocate.
- †Deutsche christliche Studenten-Bewegung-Mitteilungen.
- †Evangel.
- Expositor.
- Expository Times.
- *Friends' Missionary Advocate.
- *Hartford Seminary Record.
- Harvard Theological Review.
- †Herald of Gospel Liberty.
- †Intercollegian.
- Journal of Biblical Literature.
- Journal of Theological Studies.
- †Medical Missionary.
- †Missionary Review.
- Proceedings of the Society of Biblical Archæology.
- *Publications of the American Jewish Historical Society.
- †Record of Christian Work.
- Religious Education.
- Revue Biblique.
- *Spirit of Missions.
- †Student Movement.
- *Washington Chapel Chronicle.
- *Woman's Missionary Friend.
- †Young Women of Canada.

Science, Biology.

- American Journal of Anatomy.
- American Journal of Physiology.
- American Naturalist.
- Anatomischer Anzeiger.
- Archiv für Anatomie und Physiologie.
- Archiv für die gesammte Physiologie.
- Archiv für Entwicklungsmechanik der Organismen.
- Archiv für mikroskopische Anatomie.
- Archiv für Protistenkunde.
- Bibliographia Physiologica.
- Biologisches Centralblatt.
- Biometrika.
- Botanische Zeitung. 1. Abtheilung.
- Botanische Zeitung. 2. Abtheilung.
- Botanisches Centralblatt.
- *Brown University, Contributions from the Biological Laboratory.
- Centralblatt für Physiologie.
- *Illinois State Laboratory of Natural History Bulletin.
- Jahrbücher für wissenschaftliche Botanik.
- Journal de Physiologie.
- Journal of Experimental Zoology.
- Journal of Physiology.
- Journal of the Royal Microscopical Society.
- Mittheilungen aus der Zoologischen Station zu Neapel.
- Quarterly Journal of Microscopical Science.
- *University of California Publications, Physiology.
- *University of California Publications, Zoology.
- *University of Pennsylvania, Contributions from the Botanical Laboratories.
- *University of Pennsylvania, Contributions from the Zoological Laboratories.
- *University of Toronto Studies, Biological Series.

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*Presented by the Publishers. †In Christian Union Library.

University of Toronto Studies, Physiological Series.

Zeitschrift für wissenschaftliche Zoologie.

Zoologischer Anzeiger.

Science, General.

American Journal of Science.

Atti della Reale Accademia della Scienze di Torino.

Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.

*Bulletin of the University of Wisconsin, Engineering Series.

*Bulletin of the University of Wisconsin, Science Series.

Comtes Rendus des Séances de l'Académie des Sciences.

Elisha Mitchell Scientific Society Journal.

*Kansas University, Science Bulletin.

Nature.

*New York State Museum Bulletin.

*Oklahoma University Research Bulletin.

Philosophical Transactions of the Royal Society of London.

Popular Science Monthly.

Proceedings of the American Philosophical Society.

Proceedings of the Royal Society of London.

Science.

*Technology Review.

*University of Missouri Studies, Science Series.

Verhandlungen der physikalisch-medicinischen Gesellschaft zu Würzburg.

Science, Geology, and Geography.

Centralblatt für Mineralogie.

Economic Geology.

Geographical Journal.

Geological Magazine.

Geologisches Centralblatt.

*Georgia Geological Survey Bulletin.

*Illinois Geological Survey Bulletin.

Journal of Geography.

Journal of Geology.

Meteorologische Zeitschrift.

Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.

National Geographic Magazine.

Neues Jahrbuch für Mineralogie, Geologie und Palæontologie.

Philadelphia Geographical Society Bulletin.

Quarterly Journal of the Geological Society.

*U. S. Monthly Weather Review.

*University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.

American Chemical Journal.

American Journal of Mathematics.

Annalen der Chemie.

Annalen der Physik.

Annales de Chimie et de Physique.

Annales de la Faculté des Sciences de l'Université de Toulouse.

Annales Scientifiques de l'Ecole Normale Supérieure.

Annali di Matematica.

Astrophysical Journal.

Beiblätter zu den Annalen der Physik.

Berichte der deutschen chemischen Gesellschaft.

Bibliotheca Mathematica.

Bollettino di Bibliografia e Storia delle Scienze Matematiche.

Bulletin de la Société Mathématique.

Bulletin des Sciences Mathématiques.

Bulletin of the American Mathematical Society.

Giornale di Matematiche.

Jahrbuch über die Fortschritte der Mathematik.

Jahresbericht der deutschen mathematiker Vereinigung.

Jahresbericht über die Fortschritte der Chemie.

Journal de Mathématiques.

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*Presented by the Publishers.

Journal de Physique.
Journal für die reine und angewandte Mathematik.
Journal für praktische Chemie.
Journal of the Chemical Society.
Mathematische Annalen.
Messenger of Mathematics.
Monatshefte für Chemie.
Physical Review.
Physikalische Zeitschrift.
Proceedings of the London Mathematical Society.
Quarterly Journal of Mathematics.
Rendiconti del Circolo Matematico di Palermo.
Science Abstracts.
Transactions of the American Mathematical Society.
*U. S. Bureau of Standards Bulletin.
*University of Pennsylvania Publications, Astronomical Series.
*University of Toronto Studies, Papers from the Chemical Laboratories.
*University of Toronto Studies, Papers from the Physical Laboratories.
Zeitschrift für anorganische Chemie.
Zeitschrift für Elektrochemie.
Zeitschrift für Mathematik und Physik.
Zeitschrift für physikalische Chemie.

The library is open daily from eight A.M. to ten P.M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 227,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, $12 a year, or $10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, $2.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 60,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 300,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 340,000 volumes and 59,000 pamphlets, and is at all times open to the students for consultation.

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*Presented by the Publishers.

Courses of Study. There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Comparative Literature, History, Economics and Politics, Philosophy, Archæology and History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, Education, Meteorology and Oceanography.

Graduate courses are offered in Sanskrit, and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Philosophy, Experimental Psychology, Education, Classical Archæology, History of Art, and Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, Physiology, and Physiological Chemistry.

Courses in Language and Literature. The courses in language and literature are meant, first of all, to be complete in themselves, and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Lectures.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; and, therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

Courses of Instruction.

The undergraduate and graduate courses offered in the years 1909–10 and 1910–11 are as follows:

Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. Caroline Louise Ransom, Dr. Hans Weyhe, Dr. Roland G. Kent, Miss Abby Kirk, Miss Elizabeth Andros Foster, and Dr. Isabelle Stone.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Hans Weyhe, Associate in Teutonic Philology and Sanskrit, and Dr. Roland G. Kent, Non-resident Lecturer in Sanskrit.

GRADUATE COURSES.

Graduate Courses.

Lectures on Comparative Philology, and Philological Seminary, Dr. Weyhe. *Two hours a week throughout the year.*

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the last few years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit, Dr. Weyhe. *Two hours a week throughout the year.*

Whitney's *Grammar* and Lanman's *Reader* are used.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule be given in the same year.

Advanced Sanskrit, Dr. Kent. *One hour a week throughout the year.*

(*Given in* 1909-10.)

Lectures are given on the phonology and morphology of Sanskrit. The study of Lanman's *Reader* is continued and Kālidāsa's *Šakuntala*, Act I. is read.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders*, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages; Dr. Caroline Louise Ransom, Associate Professor in the History of Art and Classical Archæology, Miss Abby Kirk, Reader in Elementary Greek and Dr. Isabelle Stone, Reader in Greek. The instruction offered in Classical Greek covers twenty-three hours of lectures and recitations a week apart from courses in Classical Art and Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of under-graduate major and minor work; three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and five hours a week of graduate work.

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*Granted leave of absence for the second semester of 1909-10.

Matriculation Course.

A course of five hours a week throughout the year is provided for those students that wish to study Greek, and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students that wish may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

1*st Semester.*

Plato, *Apology*, *Crito*, Dr. Sanders.	*Two hours a week.*
Greek Prose Composition, Dr. Sanders.	*One hour a week.*
Homer, *Odyssey*, Dr. Wright.	*Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1–475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1–728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

2*nd Semester.*

Euripides, *Medea*,* Dr. Sanders.	*Two hours a week.*
Greek Prose Composition,* Dr. Sanders.	*One hour a week.*
Homer, *Iliad*, Dr. Wright.	*Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1–1080 and 1218–1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476–961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

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* This course was given by Dr. Stone in 1909–10.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Demosthenes, Dr. Sanders. *Two hours a week.*

Aristophanes, *Frogs*, Dr. Sanders. *One hour a week.*

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright. *Two hours a week.*

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

Private reading: Æschylus, *Prometheus Vinctus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1–680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus*, ll. 1–436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

2nd Semester

Æschylus, *Agamemnon*,* Dr. Sanders. *Two hours a week*

Sophocles, *Œdipus Rex*,* Dr. Sanders. *One hour a week.*

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright. *Two hours a week.*

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Æschylus and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: Æschylus, *Persæ*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 681 to end must be read by students taking the courses in Æschylus and Sophocles, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus*, ll. 437–876 must be read by students taking the course in Greek literature, omitting the courses in Æschylus and Sophocles. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

Group: Greek with any language, *or* with Philosophy, *or* with Archæology and Art, *or* with Mathematics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Minor courses, amounting to five hours a week which may be taken as free electives, are offered in Classical Archæology and the History of Art. See pages 145 to 147.

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* This course was given by Dr. Stone in 1909-10.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. Post-major courses are offered in Classical Archæology and History of Art; see page 147. No student that has not completed the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1909–10 the following post-major courses are offered:

1*st Semester*

Æschylus, *Oresteia*, Dr. Sanders. *Two hours a week.*

Aristophanes, *Acharnians*, *Knights*, Dr. Sanders. *One hour a week.*

2*nd Semester*.

Theocritus, Dr. Wright. *One hour a week.*

Pindar, Dr. Stone. *Two hours a week.*

Sophocles, *Electra*, Dr. Stone. *One hour a week.*

In 1910–11 the following post-major courses are offered.

1*st Semester*.

Private Orations of the Attic Orators, Dr. Sanders. *Two hours a week.*

Sophocles, *Antigone*, Dr. Sanders. *One hour a week.*

2*nd Semester*

Thucydides, Dr. Sanders. *Two hours a week.*

Aristotle, *Poetics*, Bacchylides, Dr. Sanders. *One hour a week.*

In 1911–12 the following post-major courses are offered:

1*st Semester*.

Lucian, Dr. Sanders. *Two hours a week.*

Sophocles, *Trachiniæ*, Dr. Sanders. *One hour a week.*

2*nd Semester*.

Melic Poets, Dr. Sanders. *One hour a week.*

Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing, Dr. Sanders. *One hour a week.*

Euripides, *Heracles*, Dr Sanders. *One hour a week.*

GRADUATE COURSES.

Graduate Courses.

Five hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to three hours a week may be elected by graduates.

The seminary subjects in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Menander, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and vice versa, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in comparative philology conducted by Dr. Weyhe is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see pages 147–148.

Greek Seminary, Dr. Sanders. *Three hours a week throughout the year.*

(*Given in each year.*)

In 1909-10 Greek orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators. This seminary met in 1909–10 during the first semester only.

In 1910–11 the main subject of the seminary is the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1911–12 the subject of the seminary is Attic Tragedy. The special work of the seminary is devoted to the editing of Euripides's *Orestes*. Members of the seminary report on special subjects and give critical summaries of current classical literature.

Greek Seminary, Dr. Wright. *Two hours a week throughout the year.*

(*Given in each year.*)

In 1909–10 the subject of the seminary in the first semester is Menander. A thorough study of all the extant fragments of Menander is made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

In the second semester the subject of the seminary is the Homeric Question, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena.* The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1901–11 the subject of the seminary is Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1911–12 the seminary will be on Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

Seminary in Plato, Dr. Wright. *Two hours a week during the second semester.*
(*Given in* 1909–10.)

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Associate Professor of Latin, and Miss Elizabeth Andros Foster, Reader in Latin. The instruction offered in Latin covers twenty-four hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; eight hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

First Year.

(*Minor Course.*)*

1st *Semester.* (*Given in each year.*)

Livy, *Books xxi* and *xxii*, Dr. Wheeler. *Two hours a week.* ***Major Course.***

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* For regulations regarding the passing off of the Minor Latin, see footnote, page 53. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

Latin Prose Composition, Dr. Wheeler. *One hour a week.*

Horace, *Odes*, Dr. Frank. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Stories from Gellius (first half) must be read by students taking the courses in Livy and Latin Prose Composition; Sallust, *Catilina* (first half) must be read by students taking the course in Horace. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

2nd Semester

Cicero, *Letters*, Dr. Wheeler. *Two hours a week.*

Latin Prose Composition, Dr. Wheeler. *One hour a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Stories from Gellius (second half) must be read by students taking the courses in Cicero and Latin Prose Composition; Sallust, *Catilina* (second half) must be read by students taking the course in Horace. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Tacitus, *Annals*, Dr. Wheeler. *Three hours a week.*

The reading is devoted chiefly to those parts of *Books i–vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Lectures on Latin Literature, Dr. Frank. *Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts and translations of the most important authors and extensive reading is required.

Private reading: Cicero, *De Senectute* (first half) must be read by students taking the course in Tacitus; Tacitus, *Agricola* (first half) must be read by students taking the course in Latin Literature. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

2nd Semester.

Latin Comedy, Plautus and Terence, Dr. Wheeler. *Three hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Lectures on Latin Literature (continued), Dr. Frank. *Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Cicero, *De Senectute* (second half) must be read by students taking the course in Latin Comedy; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Literature. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

Group: Latin with any language, *or* with Archæology and Art, *or* with Mathematics.

Post-major Courses.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1909-10 and again in 1911-12 the following post-major courses are offered:

1*st Semester.*

Roman Satire, its Origin and Development, Dr. Wheeler. *Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare at least one paper on an assigned topic in each semester.

Lectures on Roman History, Dr. Frank. *Three hours a week.*

Collateral reading will be assigned from the Latin sources and independent reports on special topics required.

Lucretius, Dr. Frank. *Two hours a week.*

The first three books of the *De Rerum Natura* and selections from the remaining books are studied.

Advanced Latin Prose Composition, Dr. Frank. *One hour a week.*

2*nd Semester.*

Roman Satire (continued), Dr. Wheeler. *Two hours a week.*

Cicero and Cæsar, Dr. Frank. *Three hours a week.*

An effort will be made by means of lectures, discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Catullus and Horace, *Epistles*, Dr. Frank. *Two hours a week.*

In connection with the reading of Horace's *Ars Poetica* special stress will be laid upon his theories of literary criticism.

Advanced Latin Prose Composition (continued), Dr. Frank. *One hour a week.*

In 1910–11 and again in 1912–13 the following post-major courses are offered:

1st Semester.

Roman Elegy, its Origin and Development, Dr. Wheeler. *Two hours a week.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr Frank. *Three hours a week.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the *Eclogues* and *Pseudo-Vergiliana* are read and discussed.

Pliny, *Letters,* Martial, Dr. Frank. *Two hours a week.*

Special attention is paid to a study of the political and social conditions of the period embraced in the course.

Advanced Latin Prose Composition, Dr. Frank *One hour a week.*

2nd Semester.

Roman Elegy (continued), Dr. Wheeler. *Two hours a week.*

Roman Prose of the Empire, Dr. Frank. *Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix will be read.

Seneca and Lucan, Dr. Frank. *Two hours a week.*

Three tragedies of Seneca and portions of Lucan's *Pharsalia* will be read.

Advanced Latin Prose Composition (continued), Dr. Frank. *One hour a week.*

GRADUATE COURSES.

Graduate Courses. Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to eight hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in two series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and vice versa, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

Three hours a week throughout the year.

In 1909–10 the subject of the seminary is Latin Comedy. All the plays of Plautus and Terence are read by the students: single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903–04, and with Dziatzko's text of Terence. Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888–1901, and by Lorenz, Berlin, Weidmann, 1876–86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended. *P. Terenti Afri Comoediæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1910–11 the subject of the seminary will be the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself will be studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908, (Teubner).

In 1911–12 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The text recommended is the Oxford Clarendon Press edition of Catullus, Tibullus, and Propertius edited by Ellis, Postgate, and Phillimore, 1906 (one volume).

Latin Seminary, Dr. Frank.

Two hours a week throughout the year.

In 1909–10 Roman History from the sources is the subject of the seminary. The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course consists largely of research work on the part of the student.

In 1910–11 the work of the seminary is Latin Epigraphy and Palæography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1911–12 selected topics in Roman Literature will be studied. The work consists of studies in the beginning of the Roman epic, tragedy, and prose, special attention being paid to the relation of the literature to historical events and native influences. The students will read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

Latin Journal Club, Dr. Wheeler and Dr. Frank.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Dr. Albert Schinz, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Clarence Carroll Clark, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Hans Weyhe, Dr. Alfred Horatio Upham (elect), Mr. Samuel Arthur King, Mr. Frederick A. Blossom, Dr. Orie Latham Hatcher, Miss Rose Chamberlin, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Dr. Clara Leonora Nicolay, Dr. Lillie Deming Loshe, Miss Content Shepard Nichols, Dr. Emma Haeberli (elect), and Miss Martha Plaisted (elect).

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Associate Professor of English, Dr. Clarence Carroll Clark, Associate Professor of English, Dr. Carleton Fairchild Brown, Associate Professor and Professor (elect) of English Philology, Dr. Alfred Horatio Upham, Associate Professor (elect) of English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Orie Latham Hatcher, Lecturer in Elizabethan Literature and Associate (elect), in Comparative Literature and Elizabethan Literature, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Miss Georgiana Goddard King, Dr. Lillie Deming Loshe, and Miss Content Shepard Nichols, Readers in English, and Miss Martha Plaisted, Reader (elect) in English. The instruction offered in English covers forty-four hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with comparative literature, or as a free elective; eight hours a week of free elective work; two hours a week of elective courses in elocution, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English, and Elizabethan Literature.

Required Course.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition and rhetoric is connected with the lectures on literature and language and may not be elected separately.

FIRST YEAR.

(*Given in each year.*)

1*st Semester.*

Lectures on the history of the English language and Anglo-Saxon literature, with an introduction into the study of early Teutonic literature and mythology, Miss Donnelly. *Three hours a week.*

The Principles of Articulation, Mr. King. *One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in everyday speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

English Composition and Rhetoric, Miss Donnelly, Miss Fullerton, Dr. Crandall, Miss King, Dr. Loshe, Miss Nichols. *One and a half hours a week.*

The lectures on the history of the English language and the course in English composition and rhetoric may not be elected separately. The work in English composition consists of five short papers each week on subjects drawn from the student's personal experience, and one longer paper each fortnight on a subject drawn from the lectures on the history of the English language and literature. In the rhetoric course the principles of English composition are studied and their practice taught in the papers written by the students. A written examination is held on the work in English composition and rhetoric at the end of the semester. Written examinations on the lectures are held from time to time during the semester and credit is given for the style and structure of the papers.

2*nd Semester.*

Lectures on the history of English literature to the death of Spenser, inclusive, with an introduction into the study of mediæval literature, Miss Donnelly. *Three hours a week.*

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss Fullerton, Miss King, Dr. Loshe, Miss Nichols. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition and rhetoric may not be elected separately. The work of the second semester is divided into two parts. The first part exactly continues the arrangement of the first semester; in the second part the work consists of one short paper each fortnight on a subject drawn from the student's personal experience and two long papers on a subject drawn from the lectures. In the rhetoric course the principles of English composition are studied throughout the semester and their practice taught in the papers written by the students. A written examination on the work in English composition and rhetoric is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and credit is given for the style and structure of the papers.

SECOND YEAR.

(*Given in each year.*)

1st Semester.

Lectures on the history of English literature from the death of Spenser to the Restoration, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly. *Three hours a week.*

The Sonant Properties of Speech, Mr. King. *One hour a fortnight.*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

English Composition, Miss Donnelly, Miss Fullerton, Dr. Crandall, Miss King, Dr. Loshe, Miss Nichols. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The course in English composition consists of one short paper each week on a subject drawn from the student's personal experience, two argumentative papers, and one critical paper on a subject drawn from the lectures on the history of English literature. A written examination on the work in English composition is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers

2nd Semester.

Lectures on the history of English literature from the Restoration to the present time, Miss Donnelly. *Three hours a week.*

The Sonant Properties of Speech (continued), Mr. King. *One hour a fortnight.*

English Composition, Miss Donnelly, Miss Fullerton, Dr. Crandall, Miss King, Dr. Loshe, Miss Nichols. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The work of the semester in English composition consists of one short paper each week on a subject drawn from the student's personal experience, one twenty-four page critical paper on an author chosen by the student with the approval of her instructor, and two shorter so-called imitative papers during the writing of which the principles of imitative writing are discussed in the lectures. A written examination is held on the work at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

Major Course. The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to specialise in English. Any of the courses, except the courses in English Drama, in Classical and Romantic Prose, and in Middle English Poetry and Chaucer, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle English Romances or the courses in Middle English Poetry and Chaucer for the course in Classical and Romantic Prose, and the course in Anglo-Saxon for either the course in English Poetry from 1780 to 1832 or the course in English Drama, but all students taking a major course in English must take either the course in Anglo-Saxon or the course in Middle English Romances, or the courses in Middle English Poetry and Chaucer.

FIRST YEAR.

Minor Course. (Literature.)

English Critics of the Nineteenth Century, Dr. Clark.

Three hours a week throughout the year.

(*Given in each year.*)

The essayists and critics after 1832 are studied. In the first semester the authors usually chosen are Carlyle, Matthew Arnold, and Newman; in the second semester Ruskin, Pater, and Swinburne are discussed. Short papers and one long essay must be prepared by the students attending the course.

This course will be given in 1910–11 by Dr. Upham.

English Poetry from 1780 to 1832, Miss Donnelly.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course consists of a detailed study of the poetry of Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats; special attention is paid to the rise and development of the Romantic movement in English poetry, with occasional reference to similar movements in France and Germany. The course in English Drama or the course in Anglo-Saxon may be substituted for this course if desired.

Minor Course. (Language.)

Anglo-Saxon, Dr. Brown. *Two hours a week throughout the year.*

(*Given in each year.*)

The course begins with an outline of Anglo-Saxon grammar as presented in Bright's *Anglo-Saxon Reader*. Selections in prose and verse from Bright's reader are next read with the class. In the second semester after a brief study of alliterative verse selections from *Beowulf* are read. Throughout the year lectures are given outlining the literature of the period and texts are read in translation. The course on English Poetry from 1780 to 1832, or the course on English Drama may be substituted for this course if desired.

Middle English Romances, Dr. Brown.

Three hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

Selected romances are read by the members of the class. The lectures treat the development of romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle. The course in Classical and Romantic Prose or the courses in Middle English Poetry and Chaucer may be substituted for this course if desired.

SECOND YEAR.

(*Literature.*)

Classical and Romantic Prose, Dr. Clark. *Three hours a week throughout the year.*

(*Given in each year.*)

In the first semester the writings of Edmund Burke are considered with special reference to Classicism and Romanticism, and to the ideas of the French revolution. In the second semester the works of Lamb, Hazlitt, and De Quincey are studied. This course is open only to those students who have taken the course in English Critics of the Nineteenth Century. The courses in Middle English Poetry and Chaucer, or the course in Middle English Romances may be substituted for this course if desired.

This course will be given in 1910–11 by Dr. Upham.

English Drama, Miss Donnelly. *Two hours a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

This course is intended to give students that have completed the required course in English a more intimate knowledge of the later Elizabethan and the Jacobean drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures. This course is open only to those students who are taking the English group. The course in English Poetry from 1780 to 1832, or the course in Anglo-Saxon may be substituted for this course if desired.

This course was given in 1909–10 by Dr. Hatcher.

(*Language.*)

Middle English Poetry, Dr. Brown. *Three hours a week during the first semester.*

(*Given in* 1909–10 *and again in* 1911–12.)

The purpose of the course is to give the student a direct acquaintance with some of the more important pieces of Middle English verse. Selections are read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Laurence Minot, Robert of Brunne's *Handlyng Synne*, and Langland's *Vision of Piers the Plowman. The Owl and the Nightingale* and *Pearl* will be read in full. In connection with the reading of these texts lectures are given on the development of the language and literature during the Middle English period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently. This course is open only to those students who are taking or have taken at least one other course in English in addition to the required courses. The course in Classical and Romantic Prose or the course in Middle English Romances may be substituted for this course and the course on Chaucer if desired.

Chaucer, Dr. Brown. *Three hours a week during the second semester.*

(*Given in* 1909-10 *and again in* 1911-12.)

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. It is desirable but not essential that this course should be preceded by the course in Middle English Poetry. This course is open only to those students who are taking at least one other course in English in addition to the required courses.

The course in Classical and Romantic Prose or the course in Middle English Romances may be substituted for this course if desired.

Group: English with any language, *or* English with comparative literature, *or* English with philosophy.

FREE ELECTIVE COURSES.

Free Elective Courses.

Prose Writers of the Queen Anne Period, Miss Donnelly.

One hour a week throughout the year.

(*Given in* 1911–12.)

Among the writers studied will be Addison, Steele, Swift, and Bolingbroke. Two short papers will be required in each semester. This course is open only to those students who have attended the first and second year general courses in English literature and have received no grade below that of merit or have received the grade of credit in at least two semesters of these courses.

English Letter Writers, Miss Donnelly.

One hour a week throughout the year.

(*Given in* 1912–13.)

The more important letter writers of the seventeenth, eighteenth, and nineteenth centuries will be studied and special stress will be laid on their characters, their relation to their times, and their style. The students will be required to write short papers from time to time. This course is open only to those students who have attended the first and second year general courses in English literature and have received no grade below that of merit or have received the grade of credit in at least two semesters of these courses.

Victorian Poets, Dr. Clark.

Two hours a week during the first semester.

(*Given in* 1909–10 *and again in* 1910–11.)

The works of Tennyson, Arnold, Clough, Fitzgerald, and Landor are studied. The course is open only to those students who have completed the two years' required course in English. The course will be given by Miss King in 1910–11.

Victorian Poets (continued), Dr. Clark.

Two hours a week during the second semester.

(*Given in* 1909–10 *and again in* 1910–11.)

The Pre-Raphaelite movement is considered and the works of Morris, Rossetti, Swinburne, and Browning are studied. The course is open only to those students who have completed the two years' required course in English. The course will be given by Miss King in 1910–11.

The English Ballad, Dr. Brown.

One hour a week throughout the year.

(*Given in* 1909–10.)

This course is designed as an introduction to the study of popular poetry. Selections from the ballad literature of England and Scotland, representative of various types and periods, are read in class. The lectures illustrate the origins and history of the ballad as developed in English and other literatures, together with a study of various imitations of the genuine ballad. The course is open only to those students who have completed the two years' required course in English.

The Elizabethan Age in Non-dramatic Literature, Dr. Hatcher.

Two hours a week throughout the year.

(*Given in* 1909–10.)

The lectures trace the national and foreign influences creating the first great body of English literature, and show the making of vocabulary, critical theories of prose and poetry, and the development of various types of literature,—epic, pastoral, novel, sonnet, and minor lyric and prose forms. The reading involves the best representatives of each of these types and some acquaintance with the critical literature of the period. The course is open only to those students who have completed the two years' required course in English.

Descriptive and Narrative Writing, Miss Fullerton.

Two hours a week throughout the year.

(*Given in each year.*)

Lectures are given on the theory and practice of description and on the style and methods of the best modern writers of short stories, both English and French. Students are required to write papers each week. The course is open to qualified graduate students, to undergraduate students who have completed the two years of required English Composition and have obtained the grade of merit in two semesters or the grade of credit in one semester of the work, and to students that have taken the major course in English literature. It may not be substituted for any other essay course or for any part of the major English course, and no student may take this course at the same time that she is taking another course in English Composition.

Argumentation, Dr. Crandall. *Two hours a week throughout the year.*

(*Given in each year.*)

In the first semester the course takes up the technique of Argumentation, and in the second semester establishes the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition. The course is open to students who have obtained the grade of merit in two semesters, or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Imitative Writing, Miss King. *Two hours a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

This course consists of a study of the formation of style by the method of imitation. The lectures deal with the elements and the psychology of style, and as far as may be necessary, with the authors selected for imitation. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Theory and Practice of Verse Composition, Miss King.

Two hours a week throughout the year.

(*Given in* 1910–11.)

This course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose and the laws of verse in English. Students are required to write short exercises in verse every week. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Reading of Shakespeare, Mr. King. *One hour a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

General Reading of Prose Authors, Mr. King.

One hour a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course is open only to those students who have attended the lectures in English diction given in the general course.

GRADUATE COURSES.

Graduate Courses. Twelve hours a week of seminary work and graduate lectures are offered each year to graduate students of English, accompanied by the direction of private reading and original research, and the courses are varied from year to year, so that they may be pursued by students through three or more consecutive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the major or third and fourth year courses of the department amounting to ten hours a week may be elected by graduate students. There are offered each year two graduate seminaries in English literature and one in English language. The graduate seminaries in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English group; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English group.

Students who choose English as the chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and, if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the English Composition in the required English course.

Seminary in Middle English, Dr. Brown.

Three hours a week throughout the year.

(*Given in each year.*)

In 1909–10 the beginnings of English Drama are the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

In 1910–11 the subject will be the Middle English Romances. All the romances represented in Middle English will be read, and the relation of these English versions to their Latin and Old French originals will be discussed. The romance cycles will be taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances will be undertaken from time to time by the members of the seminary.

In 1911–12 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention will be devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems will also be discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation will be assigned to the members of the seminary.

Cynewulf and Cædmon, Dr. Brown. *Two hours a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

Several of the poems traditionally ascribed to these authors are critically studied. Lectures will be given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent.

Beowulf, Dr. Brown.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon or its equivalent.

English Historical Grammar, Dr. Brown.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Seminary in English Literature, Dr. Upham.

Three hours a week throughout the year.

(*Given in each year.*)

In 1909–10 Seventeenth Century Prose writers were studied, the authors chosen were Bacon, Milton and Hooker. The seminary was conducted by Dr. Clark.

In 1910–11 the subject of the seminary will be the literary and critical activity of the mid-eighteenth century, centering in Dr. Johnson and his circle. Particular attention will be given to the breaking down of classical standards, the manifestations of romanticism and their effect at home and abroad, the rise of periodical literature, etc.

The seminary for 1911–12 will deal with English sentimentalism in its relations with the continental movement. Richardson, Sterne and minor novelists will be considered, as well as similar tendencies displayed in the domestic drama of the period.

In 1912–13 the seminary will consider the liberal or revolutionary phase of the Romantic movement, as seen particularly in the work of Byron and Shelley. Careful study will be made of the relations of these poets to their contemporaries and to various foreign influences.

Seminary in Elizabethan Drama, Dr. Hatcher.

Three hours a week throughout the year.

(*Given in each year.*)

Shakespeare is the subject of the seminary in 1909–10. In the first semester as detailed a review as is practicable is made of the results of Shakesperian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand, and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

In 1910–11 Spenser will be studied in the light of mediæval and Renaissance culture. Inquiry will be made into the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry. and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser will be read and the results of Spenserian research examined. The second semester will be devoted largely to the investigation by each student of some special problem.

In 1911–12 English drama from 1558 to 1642 will be studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development, and decadence will be discussed and a reasonable proportion of the extant plays of the period read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

English Journal Club, Miss Donnelly, Dr. Clark, Dr. Brown, and Dr. Hatcher. *One and a half hours a fortnight throughout the year.*

(*Given in each year.*)

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Associate Professor of German Literature, Dr. Hans Weyhe, Associate in Teutonic Philology and Sanskrit, and Miss Rose Chamberlin, Reader in German.

The instruction offered in German covers thirty-one hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; two hours of free elective; four hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

Matriculation Course.

A class for beginners in German, under the direction of Miss Rose Chamberlin, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in German.

Major Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

First Year.

(*Minor Course.*)

(*Given in each year.*)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. Weicher's *Deutsche Litteraturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, must be read by students taking the course in the first semester; Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Jessen. *One hour a week throughout the year.*

German Grammar and Prose Composition, Dr. Weyhe. *Two hours a week throughout the year.*

The course in critical reading consists of translations of modern German novels such as G. Keller's *Kleider machen Leute;* E. von Wildenbruch's *Der Letzte;* H. Böhlau's *Ratsmädelgeschichten* and especially of modern German essay prose. For translation of English into German, Hawthorne's *Tales of the White Hills and Sketches*, or texts of similar difficulty are used. German grammar is carefully reviewed in von Jagemann's *German Syntax* (Henry Holt and Co., New York).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Geschichte des dreissigjährigen Krieges, Book* III, (Ed Palmer, New York; Henry Holt & Co.), must be read by students taking the courses in the first semester; Goethe, *Hermann und Dorothea*, and Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attendance on college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

(*Given in each year.*)

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Selected Reading, Dr. Jessen. *One hour a week throughout the year.*

This course in selected reading is planned to illustrate the lectures on literature. Neither the lectures nor the reading may be elected separately.

Private reading: Goethe, *Iphigenie*, and Lessing, *Nathan der Weise*, must be read by students taking the courses in the first semester; Sudermann, *Frau Sorge* and Hauptmann, *Die Versunkene Glocke*, (New York: Henry Holt & Co.), must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned, by all students pursuing the German courses.

Goethe, *Faust* (*2nd Part*), Dr. Jessen. *One hour a week throughout the year.*

German Prose Composition, Dr. Weyhe. *One hour a week throughout the year.*

In the course in Prose Composition the students translate selected passages of difficult English prose into German.

The course in *Faust* and the course in Prose Composition may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Goethe, *Faust*, (*1st part*), must be read by students taking the courses in the first semester; Goethe, *Tasso*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attendance on the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: German with any language.

FREE ELECTIVE COURSE.

Free Elective Course.

Advanced German Composition and Reading of Modern Prose, Miss Chamberlin. *Two hours a week throughout the year.*

(*Given in each year.*)

Attention is given in this course to the needs of students wishing to make teaching their profession. Each student is required to lecture to the class at least once during the year.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Lectures on the History of German Literature from the Romantic School till 1850, Dr. Jessen. *Two hours a week during the first semester.*

(*Given in* 1909-10 *and again in* 1911-12.)

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland;* the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century, Dr. Jessen. *Two hours a week during the second semester.*

(*Given in* 1909-10 *and again in* 1911-12.)

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers of less importance.

German Literature from 1850 to the Present Time, Dr. Jessen.

Two hours a week during the first semester.

(*Given in* 1910–11 *and again in* 1912–13.)

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the Present Time (continued), Dr. Jessen. *Two hours a week during the second semester.*

(*Given in* 1910–11 *and again in* 1912–13.)

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung.*

Advanced Critical Reading, Dr. Jessen. *One hour a week throughout the year.*

(*Given in each year.*)

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Elementary Middle High German, Dr. Weyhe.

One hour a week throughout the year.

(*Given in each year.*)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

GRADUATE COURSES.

Graduate Courses. Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are varied so that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or minor for the degree of Doctor of Philosophy.

Seminary in German Literature, Dr. Jessen.

Two hours a week throughout the year.

(*Given in each year.*)

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1909–10 Goethe as a lyrical poet is studied.

In 1910–11 Goethe's life and works will be the subject of the seminary. Goethe's views on æsthetics and philosophy, translations by and from Goethe, Goethe and romanticism, text criticism applied to selected works, studies of Goethe's style and use of words, and similar subjects are investigated.

In 1911–12 the Romantic School and the *Volkslied* will be studied.

Goethe's *Weltanschauung*, Dr. Jessen.

One hour a week during the first semester.

(*Given in* 1909–10 *and again in* 1912–13.)

In this course the philosophy of Goethe is studied with a view to its importance in understanding the currents of thought underlying modern German culture. Its unscholastic character gives it special interest. The students are referred to the writings of Wilhelm Bode, Moritz Heynacher, Hermann Siebeck, and others on the subject.

Germanic Antiquities, Dr. Jessen.

One hour a week during the second semester.

(*Given in* 1909–10 *and again in* 1912–13.)

This course deals with the study of ethnic conditions and characteristics, the racial and social conditions of the Germanic peoples and the important influences exerted by classical study and the Christian religion. The recent scientific discussions of Comte Gobineau, H. St. Chamberlain, and others have emphasised the importance of the subject. Tacitus's *Germania* will be read with reference to Müllenhoff, *Deutsche Altertumskunde.*

German Metrics, Dr. Jessen.

One hour a week during the first semester.

(*Given in* 1910–11.)

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics, Dr. Jessen.

One hour a week during the second semester.

(*Given in* 1910–11.)

Lectures will be given on *Deutsche Poetik* and *Stilistik.*

German Literary Criticism, Dr. Jessen.

One hour a week during the first semester.

(*Given in* 1911–12.)

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative in character, and

French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen. *One hour a week during the second semester.*

(*Given in* 1911–12.)

The history of the essay in German literature is studied, and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed; the influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is investigated. Incidentally questions touching on the evolution of modern German prose style are dealt with.

Goethe's *Faust*, Dr. Jessen. *Two hours a week throughout the year.*

(*Given in each year when the time of the department permits.*)

This course is intended as an introduction to the problems of *Faustphilologie*, dealing with both the first and second parts.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Hans Weyhe, Associate in Teutonic Philology and Sanskrit. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic and Middle High German grammar (first year course), are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

(*Given in each year.*)

Graduate Courses.

Introduction to the study of Teutonic Philology, Dr. Weyhe. *One hour a week throughout the year.*

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the various Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as the relationship of dialects, and the consistency of phonetic laws; a brief history of Teutonic philology, and the outlines of general phonetics.

Gothic, Dr. Weyhe.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Braune's *Gotische Grammatik* (6th ed., Halle, 1905), or Streitberg's *Gotisches Elementarbuch* (2nd ed., Heidelberg, 1906) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible.

Middle High German Grammar and reading of Middle High German Texts (first year course), Dr. Weyhe.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Part of Hartmann's *Armer Heinrich* is read; it is followed by selections from the *Nibelungenlied*, a brief account being given of the "Nibelungenfrage" and of the manuscripts of the *Nibelungenlied.*

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (6th ed., Halle, 1904), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900). For a more complete treatment of the subject T. Wright's *Historical German Grammar* (Vol. 1, Oxford, 1907) is recommended. The private reading includes the works of the authors treated in the course.

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

Old High German, Dr. Weyhe.

Two hours a week throughout the year.

This course is offered to students acquainted with Gothic and Middle High German, or at least modern German, and includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the differences between the Old High German dialects.

Middle High German (second year course), Dr. Weyhe.

One hour a week throughout the year.

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos* (Veldeke, Wolfram, Gottfried von Strassburg, Rudolf von Ems, Konrad von Würzburg), and the second semester to Minnesangs Frühling and Walther von der Vogelweide.

Old Saxon, Dr. Weyhe.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Anglo-Saxon. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1899); the *Hêliand* (in Sievers's or Heyne's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse with reference to versification and poetic style in Anglo-Saxon.

Old Norse, Dr. Weyhe.

Two hours a week during the second semester.

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course attention is paid to the relation between Gothic and Norse, and to the differences between the East Teutonic and West Teutonic branches. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Sweet's *Icelandic Primer* (Oxford, 1886), or Holthausen's *Altisländisches Elementarbuch* (Weimar, 1895); and Hildebrand's *Edda* (2nd edition, Paderborn, 1904), with Gering's *Glossar* (3rd edition, Paderborn, 1907). For advanced students the reading of one of the larger Islendinga sögur, preceded by an introduction to the history of Iceland, may be substituted.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar, Dr. Weyhe.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic as distinguished from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Teutonic Seminary, Dr. Weyhe. *One hour a week throughout the year.*

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The exercises consist mainly of the discussion of special topics by the instructor and the students. The subjects for discussion are announced in advance, and the members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In addition to the above courses, others in Old Frisian, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

French

The instruction in this department is under the direction of Dr. Albert Schinz, Associate Professor of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Mr. Frederick A. Blossom, Lecturer in French, Dr. Clara Leonora Nicolay,* Reader in Elementary French, and Miss Emma Haeberli, Reader (elect) in Elementary French.

The instruction offered in French covers thirty-three hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and thirteen hours a week of graduate work in modern French literature and in Old French literature and language.

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*Resigned March 1, 1910. The course given by her was continued by Miss Marie Seward King.

Matriculation Course.

A class for beginners in French, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in French. This course is given by Dr. Haeberli under the direction of Dr. Schinz.

Major Course.

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject. All the courses in French are conducted in the French language.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Lectures on the history of French Literature of the eighteenth century, accompanied by collateral readings of representative French authors, Mr. Blossom. *Three hours a week throughout the year.*

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the lectures is to familiarise the students with the spoken language of France and form and direct their literary taste.

Private reading: Lesage, *Gil Blas* (Heath, Boston); Montesquieu, *Lettres Persanes;* Marivaux, *Les fausses confidences* (Macmillan), must be read by students taking the course in the first semester. Voltaire, *Zaire* (Scott, Foresman Co., Chicago); Buffon, *Extracts*, Bernardin de St. Pierre, *Paul et Virginie* (Holt and Co., New York), must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned, by all students pursuing the French courses.

Critical Readings in French prose and poetry. Practical Exercises in French Syntax and Composition, Dr. Schinz.

Two hours a week throughout the year.

The class is conducted in French, and students are expected to take notes and to answer questions in French.

Private reading: Balzac, *Les Chouans*, must be read by students taking the course in the first semester; de Vigny, *Grandeur et Servitude Militaire* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles, id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston), will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a few detached sentences of every-day idiomatic English, such as may be found in Sweet's *Primer of Spoken English*, or the German edition of it (*Elementarbuch des Gesprochenen Englisch.* Oxford, Clarendon Press), or Chardenal's *French Exercises for Advanced Pupils* (Allyn and Bacon, Boston). The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

(Given in each year.)

Lectures on the history of French Literature from the earliest times to the end of the seventeenth century, accompanied by collateral reading, Dr. Schinz. *Three hours a week throughout the year.*

These lectures are delivered in French. The collateral reading in connection with the lectures, on which examinations are held at stated intervals, consists, for the period preceding the seventeenth century, of passages chosen from such works as Gautier's *Epopées Françaises* or Petit de Julleville's *Histoire du Théâtre en France;* and for the seventeenth century of selections from the leading authors of the time. Malherbe, Boileau, Corneille, Racine, Molière, La Fontaine, Descartes, Pascal, La Rochefoucauld, Mme. de Sévigné, the great pulpit orators, and others, find a place in the course. During the first semester a number of selections from sixteenth century writers are also read in class, one hour out of the three being specially devoted to this purpose.

Private reading: *Chanson de Roland (traduction Gautier)*, and Bédier, *Tristan et Iseut*, must be read by students taking the course in the first semester; Corneille, *Le Cid, Cinna;* Racine, *Andromaque, Athalie;* Molière, *Tartuffe;* Boileau, *Art Poétique (Chant I)*, Pascal, *Lettre Provinciale, V;* Bossuet, *Oraison funébre de Condé* must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the French courses.

Critical Readings and Studies in Classical French Comedy, Mr. Blossom. *One hour a week throughout the year.*

Moliere, *Théâtre Choisi* (ed. Thirion, Hachette, Paris) is used in both semesters.

Studies in French Style, Composition, etc., Mr. Blossom. *One hour a week throughout the year.*

The two one-hour courses given by Mr. Blossom may not be elected separately.

Private reading: Corneille, *Le Menteur* (ed. P. de Julleville, Hachette, Paris) Moliére, *Théâtre Choisi* (ed. Thirion, Hachette, Paris), *Le Marriage Forcé, Don Juan, Le Médecin Malgré lui,* and *Les Fourberies de Scapin,* must be read by students taking the courses in the first semester; Racine, *Les Plaideurs* (ed. G. Lanson, Hachette, Paris); Regnard, *Scènes Choisies* par Charles Boudhors (Hachette, Paris), *Le Joueur* and *Les Folies Amoureuses;* Lesage, *Turcaret* (ed. by Kerr, O. C., Heath, Boston), must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the French courses.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry), into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles, id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island,* Jerome K. Jerome's *Idle Thoughts of an Idle Fellow.* No specific question on French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: French with Italian and Spanish, *or* with any language.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

The short story (*nouvelle*) in the nineteenth century, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The *genre novelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Flaubert, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, and others. In 1909–10 the course was given only one hour a week throughout the year.

French Lyric Poetry of the nineteenth century, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

Teachers' Course in Advanced French, Mr. Blossom.

One hour a week throughout the year.

(*Given in each year.*)

This course is especially intended to give students the practical knowledge of French required for teaching the language. A correct pronunciation is taught by means of a study of French phonetics, of the comparative value of sounds, of the tonic and oratorical accents, and of the rhythmical language. Classical texts are analysed as a preparation for exercises in composition and lectures on the principles of French rhetoric are given.

The Evolution of the French Novel, Mr. Blossom.

Two hours a week throughout the year.

(*Given in* 1909–10.)

In this course the development of the novel is studied from its rise with *Astrée* through the seventeenth and eighteenth centuries to the end of the romantic period. Students are required to read and report on representative novels of each epoch.

French Lyric Poetry to the End of the Eighteenth Century, Mr. Blossom.

One hour a week throughout the year.

(*Given in* 1910–11.)

After a study of the principles of French versification, the history of lyric poetry in France is studied from its origin to the end of the eighteenth century, particular attention being paid to the works of Rutebeauf, Charles d'Orleans, Villon, Marot, and Ronsard.

The Romantic Drama of the nineteenth century, Mr. Blossom.

Two hours a week throughout the year.

(*Given in* 1911–12.)

The lectures deal with the origin and development of the romantic drama in the works of Victor Hugo, Alexandre Dumas père, Alfred de Vigny, and Alfred de Musset. Its renaissance in the latter part of the century in Richepin and Edmond Rostand is then discussed.

Origin, development, and decline of realistic comedy, Mr. Blossom.

Two hours a week throughout the year.

(*Given in* 1912–13.)

The lectures treat of the origin of realistic comedy in Beaumarchais; its period of highest development in Augier, Dumas fils, Pailleron, and Sardou; its decline, the *comédie naturaliste;* new systems and new writers, Jules Lemaître and Edmond Rostand.

GRADUATE COURSES.

Graduate Courses.

Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department amounting to four or five hours a week may be elected by graduate students. Graduate students interested in the study of literature will also find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be followed by graduate students throughout three years, and cover the work required of students who offer French language or literature as a major or minor for the degree of Doctor of Philosophy.

Literature.

Seminary in French Literature, Dr. Schinz.

Three hours a week throughout the year.

(*Given in each year.*)

In 1909–10 and again in 1911–12 the subject of the seminary is Victor Hugo. The seminary deals with his lyrical works. The following subjects are treated: Victor Hugo as a Royalist and Catholic poet; his indebtedness to Chateaubriand, Sainte-Beuve, Nodier and other contemporaries; his attitude towards Napoleon I, the Republic of 1848 and Napoleon III.; and his social, political and religious ideas in the period of his maturity and of his old age.

In 1910–11 Rousseau is the subject of the seminary. In the first semester, after a discussion of his life, a study is made of the *Confessions*, *Rêveries*, and *Correspondance*. Special attention is paid to the controversy *Confessions* versus *Mémoires d'Epinay*, as transformed by the discoveries of Mrs. MacDonald. The questions of Rousseau's insanity and suicide are discussed. The second semester is devoted chiefly to the study of Texte's *Jean Jacques Rousseau et le cosmopolitisme littéraire*. The *Lettre à d'Alembert* and the *Nouvelle Héloise* will serve as a text to this theory.

In 1912–13 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch will be discussed. A special study will be made of Montaigne's style and of the *Apologie de Raymond de Sebonde.*

Seminary in French Language and Literature, Mr. Blossom.

Two hours a week throughout the year.

(Given in each year.)

In 1910–11 the work of the seminary is an analytical study of the modern French language. Questions of syntax, style and vocabulary are discussed with a view to acquiring a thorough command of the idiomatic language. In 1913–14 the seminary in Moliére will be substituted for the above. The subjects studied will be: French Comedy before Moliére, Moliére's comedies, their Latin, Italian, and French sources, his style and method of composition, the nature of his " comique," his philosophy and his morality are discussed.

In 1911–12 the subject of the seminary is *La 'Matiere de Bretagne' et l'epopée courtoise.* The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

The subject of the seminary in 1912–13 is Ronsard and the *Pléiade*, the object being to determine the origin, the extent, and the success of the Renaissance movement in France. The chief works of Ronsard and his successors, especially Du Bellay and Baïf, will be read and discussed.

Language.

The course in Old French Philology is intended for students in their first year of graduate study; that in Old Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French Literature.

Old French Philology, Dr. Holbrook.

Two hours a week throughout the year.

(Given in each year.)

This course consists of lectures on the Phonology, Morphology, and Syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar will be studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*. Other books used are Passy's *Sounds of the French Language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan's *Grammaire de l'Ancien Français*.

Old French Readings, Dr. Holbrook.

One hour a week throughout the year.

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions will be minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge*.

The following courses may be rearranged to suit the needs of students in any particular year.

In 1909–10 and again in 1911–12 epic and historical literature is the subject of the course. The texts required are Stengel's edition of the *Chanson de Roland* (Leipsic

1900); the *Pèlerinage de Charlemagne* (ed. by Koschwitz, Leipsic, 1900), and the *Extraits des Chroniquers Français* (Villehardouin, Joinville, Froissart, Commines), ed. by G. Paris and A. Jeanroy, Paris, 1803.

In 1910–11 dramatic literature will be studied. Various mysteries and miracle plays will be examined; but the course will deal mainly with purely mediæval comedy (*ca.* 1260—*ca.* 1530). The texts used are Adam de la Hale's *Jeu de la feuillée* (edition of Rambeau, Marburg, 1886, and of Langlois, Paris, 1895); Paul Lacroix's *Recueil* (Paris, 1859), and the facsimile of Guillaume Le Roy's *Patelin* (1486?), printed for the Société des textes Français modernes.

Old French Seminary, Dr. Holbrook. *Two hours a week throughout the year.*

(*Given in each year.*)

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal, Dr. Holbrook. *Two hours a week throughout the year.*

(*Given in each year.*)

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Mr. Blossom. *One and a half hours a fortnight throughout the year.*

(*Given in each year.*)

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

The instruction offered in Italian covers ten hours of lectures and recitations a week; it includes eight hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language or with comparative literature to form a group. Any of the undergraduate courses in Italian may be taken as free elective courses.

First Year.

(*Minor Course.*)

(*Given in each year.*)

Major Course. Italian, Dr. Holbrook. *Three hours a week throughout the year.*

(May be taken as a free elective.)

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books read are the following: C. H. Grandgent's *Italian Grammar;* Bowen's *Italian Reader* and Hecker's *Il Piccolo Italiano;* Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; also selections from the verse and prose of Renato Fucini.

Representative Italian Classics in English Translations, Dr. Holbrook.

Two hours a week throughout the year.

(May be taken as a free elective.)

This course deals with typical masterpieces of Italian literature from Dante to Cellini. The author's life, character, and surroundings, his place in literary history, and his translators are discussed.

The works studied are as follows: *Dante and his Circle* (for early lyrics), *Vita Nuova*, most of the *Inferno*, parts of the *Purgatorio* and *Paradiso;* Boccaccio, *Life of Dante* and several tales translated by John Payne and J. M. Rigg; Petrarch, selected *Letters*, *Sonnets* and *Triumphs;* Ariosto, *Orlando Furioso;* Tasso, *Jerusalem Delivered;* Castiglione, *The Courtier;* Cellini, *Life*. Knowledge of Italian is not required.

SECOND YEAR.

(*Given in each year.*)

Italian Classical Literature, Dr. Holbrook.

Three hours a week throughout the year.

The work in this course is to translate most of the *Inferno* and parts of the *Purgatorio* and *Paradiso;* then selections from Ariosto and Tasso. For these two the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course.

Group: Italian and Spanish with any language, or with comparative literature.

GRADUATE COURSES.

Graduate Courses.

Three hours a week of seminary work and graduate lectures are offered each year to graduate students of Italian accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Italian Philology, Dr. Holbrook. *One hour a week throughout the year.*

(*Given in each year.*)

This course presupposes a knowledge of Old French philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings, Dr. Holbrook. *One hour a week throughout the year.*

(*Given in each year.*)

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Mr. Blossom. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers eighteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Spanish; and six hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Major Course.

Spanish, Dr. DeHaan. *Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos;* Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); DeHaan's *Selected Works of G. A. Bequer;* Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José;* Galdós, *Marianela.*

SECOND YEAR.

(Given in each year.)

Lectures in Spanish on Spanish Literary History of the Nineteenth Century, Dr. DeHaan. *Two hours a week throughout the year.*

Spanish Composition, Dr. DeHaan. *One hour a week throughout the year.*

Critical Reading in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

Group: Spanish, or Italian and Spanish with any language, or with comparative literature.

POST-MAJOR COURSE.

Post-Major Course.

The post-major course is designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect this course.

Advanced Spanish, Dr. DeHaan. *Two hours a week throughout the year.*
(Given in each year.)

The course consists of readings of classical, pre-classical and modern literature, translation of English prose into Spanish, and the writing of compositions in Spanish. Some time is devoted to the study of the history of Spanish literature.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major course of the department amounting to two hours a week may be elected by graduate students.

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year.*

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681), Dr. DeHaan. *One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Mr. Blossom. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Lecturer in Elizabethan Literature and Associate (elect) in Comparative and Elizabethan Literatures, and Dr. Alfred Horatio Upham, Associate Professor (elect) of English Literature.

The instruction offered in comparative literature covers nine hours of lectures and recitations a week; it includes eight hours a week of undergraduate minor and major work and one hour a week of graduate work. Any of the undergraduate courses may be taken as free elective courses.

First Year.

(*Minor Course.*)

Major Course.

The Epic, Dr. Hatcher. *Three hours a week during the first semester.*

(*Given in* 1910–11 *and in each succeeding year.*)

The lectures discuss the origins and significance of epic poetry, include some mention of oriental and early Teutonic epic literature, and relate the artistic form of the epics studied to the critical theories of Aristotle, and those of the Italian Renaissance. The required reading includes the *Iliad*, the *Odyssey* and the *Aeneid*, the greater Renaissance epics, *Orlando Furioso, Jersualem Delivered* and *The Fairie Queene;* and *Paradise Lost.*

The Pastoral, Dr. Hatcher. *Three hours a week during the second semester.*

(*Given in* 1910–11 *and in each succeeding year.*)

The course deals with the best literature associated with the pastoral tradition. The lectures supplement the range of the acquired reading, and trace the pastoral idea from its rise in the *Idylls* of Theocritus through the later classical eclogue and pastoral romance into the Renaissance types of eclogue, pastoral lyric, novel and drama. The reading will include the *Idylls* of Theocritus, Bion and Moschus, *Daphnis and Chloe,* Tasso's *Aminta,* Sidney's *Arcadia,* Lodge's *Rosalynd,* Spenser's *Shepherd's Calendar,* Fletcher's *Faithful Shepherdess,* Jonson's *Sad Shepherd,* etc.

Neo-classicism in France and England, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course is concerned with the influence exercised by French critical theory and literary practise upon the literature of England from the Restoration to the death of Pope (1744). The lectures consider the rise of Deism and the enthronement of reason and good taste, the conflict of the Ancients and Moderns, the vogue of satire and didacticism, and the application of theory to the various literary types. Careful outside reading is required.

Second Year.

The Sonnet and Minor Lyric Forms, Dr. Hatcher.

Three hours a week during the first semester.

(*Given in* 1911–12 *and in each succeeding year.*)

The lectures trace the rise of modern lyric poetry among the Troubadours and the spread of Provençal and other early Romance lyric forms from Italy, France, and Spain into England. The development of the sonnet form is emphasised and the English sonnet studied from its beginnings down to the present time with special reference to the sonnets of Sidney, Spenser, Shakespeare, Milton, Wordsworth, and Rossetti. The reading includes *Ballades and Rondeaux,* Scott's translations; *Ballads and Lyrics of Old France,* Andrew Lang's translations; Rossetti's *Early Italian Poets,* Petrarch's *Sonnets,* Bullen's *Elizabethan Lyrics,* Sidney Lee's *Elizabethan Sonnets,* etc. Previous study of Latin and French is assumed.

The Drama, Dr. Hatcher. *Three hours a week during the second semester.*

(*Given in* 1911–12 *and in each succeeding year.*)

The object of the course is to suggest the many forms in which the human instinct for dramatic expression has manifested itself in different countries and periods, and to acquaint the student with the more significant of these forms in their historical order. The lectures inquire into the nature of the dramatic essence underlying all these forms, and attempt some comparison of the dramatic ideals and canons of the classical period with those of the Renaissance, and with those of our own time. A few representative types of drama are studied in plays selected from different literatures and periods.

The Foreign Relations of Nineteenth Century Romanticism, Dr. Upham.
Two hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

A study of the various phases of the general Romantic movement in their effect on English thought and letters after 1800. Attention will be given to the influence of philosophical idealism, the final shaping of the mediæval element, the revolutionary impulse, the relation of nature and art, the Hellenistic reaction, the Italian revival, and the diffusion of romanticism in later literature. Careful outside reading is required.

Group: Comparative Literature with English, *or* with Italian, *or* with Spanish, *or* with Italian and Spanish.

Graduate Courses.

Graduate Courses.

The graduate courses in comparative literature change from year to year throughout a cycle of three years. They may be taken by graduate students of English in connection with the seminary in Elizabethan literature or may be elected separately.

Dramatic Theory and Technique in England until 1642, Dr. Hatcher.
One hour a week throughout the year.

(*Given in* 1909–10.)

The course inquires into the critical origins of English dramatic theory and into the technique of the various types of drama appearing in England before the closing of the theatres in 1642. An attempt is made to differentiate important sub-types of comedy and tragedy, and the essential characteristics of tragi-comedy, masque, and pastoral are noted. The inquiry includes references to foreign models and analyses of representative English plays of each type. The course is related to the seminary for 1909–10, dealing with Shakespeare, but may be elected separately.

Drama as a Reflection of Contemporary Life, Dr. Hatcher.
One hour a week throughout the year.

(*Given in* 1910–11.)

Some one period in the development of the drama is chosen as the basis of study, as, for example, the Elizabethan, or the modern, and the drama of that period is related as far as practicable to the social, economic and religious conditions of the time. The themes, situations, moral codes, and technical construction of plays of the period selected are examined. The course is related to the seminary in Elizabethan literature but may be elected separately.

The Indebtedness of Elizabethan Literature to Continental, Dr. Hatcher.
One hour a week throughout the year.

(*Given in* 1911–12.)

The course deals with the stimulus felt in Elizabethan England from the earlier literary activity in the Romance countries and the consequent earlier development there of critical theories, the arts of versification, and of definite literary types. The models contributed to English literature by Italy, France, and Spain in epic, pastoral, tragedy, comedy, lyric, etc, are studied as well as the material actually borrowed and incorporated into Elizabethan literature. The significance of Elizabethan translations is emphasised. The course is related to the seminary in Elizabethan literature but may be elected separately.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages and Miss Maud Downing, Reader in Semitic Languages. The instruction offered in this department includes five hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and eight hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 200 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(Given in each year.)

Minor Course. Oriental History, Dr. Barton. *Five hours a week throughout the year.*

(May be taken as a free elective or may be substituted for the second year of required science.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

FREE ELECTIVE COURSES.

Free Elective Courses.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

History of the Old Testament Canon, Dr. Barton.

One hour a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

New Testament Biography, Dr. Barton.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The first semester of this course is devoted to a careful study of the life and teaching of Christ: the second semester, to the life and teaching of St. Paul. The instruction is given in lectures, and the Gospels and Epistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the New Testament Canon, Dr. Barton.

One hour a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

The History of Christian Doctrine, Dr. Barton.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

GRADUATE COURSES.

Graduate Courses.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer either of these languages as the major subject in the examination for the degree of Doctor of Philosophy, must possess a knowledge of the grammatical forms of five Semitic languages. In this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

There will be afforded each year an opportunity for graduate students to begin Hebrew.

The following courses are offered in 1909–10:

Assyrian Seminary, Dr. Barton. *One hour a week throughout the year.*

The work of the seminary consists of a critical study of Sumerian texts.

Hebrew Seminary, Dr. Barton. *One hour a week throughout the year.*

The Psalter and the book of Job, Canticles, Ecclesiastes or one of the historical or prophetic books is discussed.

Aramaic Seminary, Dr. Barton. *One hour a week throughout the year.*

One hour of the course is devoted to Jewish Aramaic including a study of the Talmud and Aramaic inscriptions. The remaining hour is spent on Syriac and the Sinai gospels and the poetry of Ephraim are studied.

Comparative Semitic Grammar, Dr. Barton. *One hour a week throughout the year.*

The course is devoted to Semitic phonetics and grammatical forms with a comparison of old Hamitic. In connection with the work selected Egyptian texts are read, to supply the student with Hamitic linguistic material. The first semester is devoted to phonetic material and its laws, the second to the pronoun and the verb.

Ethiopic, Dr. Barton. *One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

Seminary in Arabic Literature, Dr. Barton. *One hour a week throughout the year.*

The work of the seminary is a study of the pre-Islamic poets, the Coran, and the traditions.

The following courses are offered in 1910–11.:

Semitic Seminary, Dr. Barton. *Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi or mythological poetry. In Hebrew, one of the following subjects may be selected: Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages, Dr. Barton. *Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew, The Prophets, Dr. Barton. *One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Hebrew Literature, Dr. Barton. *Two hours a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Ethiopic, Dr. Barton. *One hour a week throughout the year.*

This course is a continuation of that given in 1909–10.

The following courses are offered in 1911–12:

Semitic Seminary, Dr. Barton. *Two hours a week throughout the year.*

The work of the seminary is continued as given in 1910–11.

Seminary in Aramaic and Arabic, Dr. Barton. *Two hours a week throughout the year.*

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum or one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar, Dr. Barton. *One hour a week throughout the year.*

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Egyptian, Dr. Barton. *One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in New Testament Greek, Dr. Barton. *One hour a week throughout the year.*

A thorough study is made of some book of the New Testament, and the students are guided in critical studies, both textual and historical.

The following courses are offered in 1909–10:

Elementary Aramaic, Miss Downing. *One hour a week throughout the year.*

Elementary Arabic, Miss Downing. *Two hours a week throughout the year.*

This course consists of a study of the elements of the language, the interpretation of selections from Brünnow's *Chrestomathia* and from the *Thousand and One Nights*, together with Arabic prose composition.

History.

The instruction in this department is under the direction of Dr. William Henry Allison,* Associate in History, and Dr. William Roy Smith, Associate Professor of History. The instruction offered in History covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history; and seven hours a week of graduate work.

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*The courses offered in 1910–11 by Dr. Allison will be given by an instructor whose appointment will be announced later.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The course is planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

1*st Semester*.

Major Course.

The History of Europe to the Period of the Renaissance, Dr. Allison. *Five hours a week.*

This course opens with a few lectures on the contribution of ancient civilisation to mediæval life, with special reference to the influence of Rome. From this point the design is to trace the fall of Rome and the rise of new nationalities; the growth of Frankish power; the empire of Charles the Great; the gradual nationalisation of France and Germany; the growth and influence of the Church; the Feudal System and the rise of French monarchy; the rapid extension of Mohammedanism and its points of contact with Europe; the struggle between the Papacy and the Holy Roman Empire; the scope and results of the crusading movement.

2*nd Semester*.

The History of Europe from the Period of the Renaissance to the close of the Religious Wars, Dr. Smith. *Five hours a week.*

The lectures trace the growth of the humanities and the phases of religious change; the broadening of knowledge in letters, geography, and science; the extension of commerce and the struggle for privileges and constitutional liberty; the weakening of the Papacy and the failure of the Holy Roman Empire; the spirit of reform; the growth of Protestantism and the counter measures; the war in the Netherlands; the religious and political struggles in France, and the Thirty Years' War. The course closes with the Treaty of Westphalia.

SECOND YEAR.

(Given in each year.)

1*st Semester*.

The History of Europe from the Treaty of Westphalia to the close of the Napoleonic Campaigns, Dr. Smith. *Five hours a week.*

This course, which is a continuation of the previous year's work, treats of the territorial expansion of France in the seventeenth century; the rise of French absolutism; the theory of the balance of power; the growth of nationality and international relations; the rise of Prussia; the Seven Years' War, and the expansion of England; the political, social, economic, religious, and philosophical conditions of France leading to reform and revolution; the growth of the moderate spirit under the Directory; the rise of Napoleon and the Empire, and the general European war until the Congress of Vienna.

2nd Semester.

The History of Europe from the Congress of Vienna to the Present Time, Dr. Allison. *Five hours a week.*

This course is planned to give a general outline of the history of the nineteenth century, with special reference to Western Europe. The lectures trace broadly the phases of reaction against legitimism and Metternichism, the growth of liberal ideas and constitutional government, and the conditions and circumstances which have led to the reorganisation of the political map of Europe. The course concludes with a general survey of world politics from 1878 to the present day.

Group: History with Economics and Politics.

Post-major Courses.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

The Reform Period of English History, 1815–1845, Dr. Allison.
Two hours a week during the first semester.
(*Given in* 1909–10 *and again in* 1911–12.)

Beginning with a brief survey of conditions at the close of the Napoleonic period, the various liberalising and reform movements are considered both in their internal developments and in their reactions upon English life. Among the movements considered are Catholic emancipation, parliamentary reform, philanthropic enterprise, the Chartist agitation, the repeal of the corn laws.

British Imperialism, Dr. Allison. *Two hours a week during the second semester.*
(*Given in* 1909–10 *and again in* 1911–12.)

This course deals with the causes of British expansion and its directions, the events in colonial history important in their reaction upon English politics, and especially the history of the British imperial system.

England in the Tudor Period, Dr. Allison.*
Two hours a week during the first semester.
(*Given in* 1910–11 *and again in* 1912–13.)

This course consists of a survey of English history during the reigns of the five Tudor sovereigns, noting particularly the significance of the period for the constitutional, political, social, and religious development of England.

England in the Stuart Period, Dr. Allison.*
Two hours a week during the second semester.
(*Given in* 1910–11 *and again in* 1912–13.)

This course follows the same general lines as the course on the Tudor period.

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*See footnote, page 131.

American Constitutional History to 1789, Dr. Smith.

Three hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States.* The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

American Constitutional History from 1789 to the present time, Dr. Smith.

Three hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States* and *Select Statutes of United States History,* but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

GRADUATE COURSES.

Graduate Courses

Seven hours a week of seminary work and graduate lectures are offered each year to graduate students of History, accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Seminary in English History, Dr. Allison.

Three hours a week throughout the year.

(*Given in each year.*)

In 1909–10 the subject of the seminary is special privileges in England, 1559 to 1660. The social, political, and economic conditions in England in the period from the accession of Elizabeth to the Restoration are investigated for the purpose of discovering the special privileges enjoyed by particular classes, local groups or individuals. The origin and nature of some of these are further studied with their general and specific effects as discernible in English history. In part it will be a study of feudal survivals, in part a study of post-Reformation developments.

In 1910–11 seventeenth century English Puritanism will be the subject of the seminary. Problems in the historical development of Puritanism will be assigned to the students for investigation and some of the typical writings examined. Each student will make a special study of one particular Puritan of the period.

In 1911–12 genetic studies in the reform period of English history, 1815 to 1845, will be the subject of the seminary. The reform movements which sought legislative support in Parliament will be discussed and an attempt will be made to discover the various forces, especially the organised forces, favoring or opposing these movements.

Historical Method and Criticism, Dr. Allison.

Two hours once a fortnight throughout the year.

(*Given in each year.*)

The questions dealt with in this course are the scope of historical work and its relations to allied subjects; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; editing, criticism, and evidence.

Seminary in American History, Dr. Smith.

Three hours a week throughout the year.

(*Given in each year.*)

In 1909–10 the revolution, the confederation and the constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1910–11 the American colonies in the seventeenth and eighteenth centuries will be the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1911–12 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

Historical Journal Club, Dr. Allison and Dr. Smith.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Charles Clarence Williamson, Associate in Economics and Politics, and Dr. Marion Parris, Associate in Economics and Politics. The instruction offered by this department covers twenty-three hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of free elective work; five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and six hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

First Year.

(*Minor Course.*)

(*Given in each year.*)

1st Semester.

Major Course.

Introduction to Economics, Dr. Parris. *Five hours a week.*

The objects of this course are to introduce the students to the economic problems in the modern state, to familiarise them with the main problems in economic science, and to train them to think clearly on economic subjects. The main work of the semester is the study of the nature and extent of supply, including a brief outline of economic geography, the nature and laws of demand, an introduction to the theory of wants, value and fixing of price, and the theory of economic institutions, methods of production, methods of exchange, international exchange, and transportation problems. The lectures are supplemented by a large amount of reading from standard economic authors. Numerous short papers are required and oral and written quizzes are frequently held.

2nd Semester.

Introduction to Politics, Dr. Williamson. *Five hours a week.*

This is an introduction to the principles of political science with special reference to the organisation and workings of American political institutions. The legislative, executive and judicial branches of the national and state governments are studied, with some attention to their origin and development, and with special reference to their efficiency and amenability to popular control. Lectures are given on the organisation and legislative methods of the United States Senate and House of Representatives, the election and powers of the president, the civil service and the federal courts. A brief time is allotted to a similar study of the state governments, after which problems of municipal government, political parties, suffrage and elections are treated. Lastly, the functions of the modern state are examined with special reference to the contentions of individualism and socialism.

Second Year.

(*Given in each year.*)

1st Semester.

Social Politics, Dr. Williamson. *Five hours a week.*

The work of the preceding year is continued by a thorough study of the economic position of the working classes under the industrial regime. The rise of the problem is traced; radical and conservative programmes of reform are examined; the arguments for and against state action are discussed in connection with a concrete study of legislation in various countries designed to ameliorate the conditions of employment and to promote the economic and social well-being of the weaker classes of society. The methods of securing legal enactment, constitutional hindrances, and the difficulties of enforcing factory laws are treated with special reference to the experience of American states. The chief topics taken up are the industrial revolution and the factory system, socialism and the labor movement, labor organisations and the methods of securing industrial peace, the labor of women and children, factory inspection, employers' liability, workmen's insurance, and industrial education.

2nd Semester.

History of Economic Thought, Dr. Parris. *Five hours a week.*

The object of this course is twofold. First, to trace the development of certain of the most fundamental concepts in modern economic theory, such as the theories of value, concepts of capital and interest, rent, wages, monopoly, etc., in order to appreciate critically modern economic theory. Secondly, by relating economic thinking to the political and economic history, and to the religious and philosophical thinking of the successive historical epochs studied, to give the student a proper historical background for further study.

The students will be required to read critically portions of Aristotle's *Ethics* and *Politics* in translation, also selections from the mediæval canonistic writers: Adam Smith's *Wealth of Nations*, Vol. I; Ricardo's *Principles of Political Economy and Taxation;* Malthus's *Principles of Population;* and selections from Senior's *Political Economy*, John Stuart Mills's *Principles of Political Economy*, and Jevons's *Political Economy*. Numerous short papers, written quizzes, and one report on some specially assigned subject will be required.

Group: Economics and Politics, with History, *or* with Philosophy.

FREE ELECTIVE COURSES.

Free Elective Courses.

Methods of Social Research, Dr. Parris.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

The course begins with a brief account of modern institutions for social research and social reform. Various methods of social research will then be studied and reports required on special problems in social statistics, and the collection and graphical representation of material. Booth's *Life and Labour in London*, Bailey's *Modern Social Conditions* and Henderson's *Modern Methods of Charity* will be used as text-books. The course is open only to those students who have attended the minor course in economics and politics.

Municipal Problems, Dr. Williamson. *Two hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

This course consists of a general survey of the more important social, political, and economic problems of American cities. The chief topics treated are, the growth of urban population with its economic and political results, political parties in municipal government, civil service reform, the municipal functions such as police and fire protection, police courts, sanitation and public health, education, institutions of public charity and correction, playgrounds, parks, city planning, and the liquor traffic. The policy of municipal ownership of public utilities will be examined in its various aspects. The course is open only to those students who have attended the minor course in economics and politics.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Industrial Problems, Dr. Williamson. *Three hours a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

The lectures of this course deal with certain economic problems which involve political action. Among the more important subjects taken up are the following: problems of money and banking; the commercial policy of the principal countries with special reference to the tariff situation in the United States; the rise of the transportation problem and a comparison of the methods of government control in use in various countries; industrial combinations, their development and their relation to the state.

Typical combinations will be studied and the results of anti-trust legislation examined. The aim is to put before the student the significant facts of our commercial and industrial development, accompanied by an economic analysis of the problems created and a discussion of the political factors to be reckoned with in their solution.

Public Economy, Dr. Williamson. *Two hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

This course begins with a discussion of the nature of the public economy and its relation to private economics. An examination of theories of the economic activity of the modern state is followed by a discussion of public expenditure, its objects, its growth in modern democratic societies, and its social and industrial effects. Problems of public health, care of the dependent classes, the economic burden of war and the preparation for war, state forestry and the general problem of the conservation of natural resources, are discussed in this connection. The tax system in American states and cities, together with the general principles of taxation, are discussed fully. Attention is also called to the nature and significance of the non-tax revenues. The course concludes with a brief study of state and local budgets and public debts.

Theoretical Sociology, Dr. Parris. *Two hours a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

The first semester's work is a history of sociological theory. The students read selections from Auguste Comte, Herbert Spencer, Professor Giddings, and others. In the second semester the various social problems confronting the modern state are considered, such as the congestion of population, housing and transportation problems in American and Continental cities, immigration and race problems in America, the standard of living among various economic groups, etc.

The lectures are supplemented by written reports on specially assigned reading and by written and oral quizzes.

Utilitarian Theory in Economics, Dr. Parris.

Three hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

The object of this course is to study the influence of utilitarian ethical theory in shaping the thought of the English classical school. Hume, Paley, Bentham, Adam Smith, James Mill, Ricardo, Malthus and J. S. Mill are read critically. The lectures are supplemented by written reports on specially assigned reading and by oral and written quizzes.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more consecutive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Economic Seminary, Dr. Williamson. *Three hours a week throughout the year.*

(*Given in each year.*)

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1909–10 labor problems are studied in the seminary. The rise of the problems is traced, the history and functions of labor organisations are discussed and considerable attention is paid to the principles of labor legislation.

In 1910–11 various important social and economic problems caused by the growth of monopolies will be studied. The aim is to develop general principles upon which a democratic state should proceed in an effort to subject its railroads, trusts, and other more or less non-competitive industries to a wise social control.

In 1911–12 the seminary will make a study of the history and theories of socialism, the purpose being to trace the origin and development of current socialistic doctrines and movements and to examine carefully the arguments for and against socialism in order to reach some conclusion as to the possibility or practibility of making socialistic theories a basis for economic and social reforms.

Economic Seminary, Dr. Parris. *Two hours a week throughout the year.*

(*Given in each year.*)

In 1909–10 the subject of the seminary is a critical study of modern theories of value. A short historical introduction serves as a review of the principal economic theories of value in the English and German schools.

In 1910–11 the modern German theory of value is the subject of the seminary. The main object of the seminary is to define certain psychological and philosophical positions. The works of Ehrenfels, Meinong, Kraus, Kreibig, and Chuel are studied and criticised.

In 1911–12 the theories of capital and interest of modern German, Italian, and American economists will be studied and critically compared.

Economic Journal Club, Dr. Williamson and Dr. Parris.

Two hours once a fortnight throughout the year,

At the meetings recent books and articles are reviewed and the results of special investigations are presented for discussion, comment, and criticism.

Philosophy.

This instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Associate Professor of Philosophy, Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory, Dr. M. Phillips Mason, Associate in Philosophy, Dr. Clarence Errol Ferree, Associate in Psychology, and Miss Marion Reilly, Reader in Philosophy. The instruction offered in this department covers thirty-nine hours of lectures a week: it includes a required course of five hours a week; ten hours a week of undergraduate major and minor work; two hours a week of free elective work; eight hours a week of post-major work open only to graduates and undergraduates who have completed the major course in philosophy; and fourteen hours a week of graduate work.

A course in philosophy, five hours a week throughout one year, is required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, or physics.

Required Course.

History of Philosophy, Dr. de Laguna. *Three hours a week throughout the year.*

(Given in each year.)

The object of this course is to give a general survey of the history of philosophy. The first semester is devoted to a study of Greek and mediæval thought. In the second semester the lectures deal with the development of modern philosophy from Descartes to Kant. In conclusion the main features of post-Kantian idealism are briefly indicated.

Psychology, Dr. Leuba. *Two hours a week throughout the year.*

(Given in each year.)

The text-book used is James's *Psychology, Briefer Course.* In connection with the lectures there are demonstrations of pertinent psycho-physical facts.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

1*st Semester.*

Major Course.

Elementary Ethics, Dr. de Laguna. *Three hours a week.*

(Open only to those students who have taken the general course in the History of Philosophy. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

This course forms a critical and historical introduction to ethical science. It is conducted by means of lectures, discussions, and supplementary reading.

The Psychology of Instinct, Emotion, and the Will, Dr. Leuba. *Two hours a week.*

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

2*nd Semester.*

Problems in Metaphysics, Dr. Mason. *Three hours a week.*

(Open only to those students who have taken the general course in the History of Philosophy. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

In this course certain fundamental questions in philosophy are discussed in detail, such as substance and cause, mechanism and teleology, monism and pluralism, idealism and materialism, optimism and pessimism.

Experimental Psychology, Dr. Ferree. *Two hours a week.*

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

This course counts as the equivalent of two hours a week for one semester; one hour a week is given to lectures on experimental psychology and two and a half hours a week to laboratory work.

SECOND YEAR.

(Given in each year.)

1*st Semester.*

Empiricism and Rationalism, Dr. Mason. *Three hours a week.*

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course is devoted to a discussion of selected works of Descartes, Spinoza, Leibnitz, and Hume.

Experimental Psychology, Dr. Ferree. *Two hours a week.*

(Open only to those students who have taken the minor course in Psychology. May be taken as a free elective by students not electing the philosophical group.)

This course counts as equivalent to two hours a week; during the first semester two and a half hours of laboratory work and one hour of lectures are given in place of two hours of lectures. In the laboratory the experimental work of the minor year is continued.

2nd Semester.

The Philosophy of Kant, Dr. de Laguna. *Three hours a week.*

(*Given in* 1909–10.)

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course consists of a general introduction to Kant's system, with an intensive study of portions of the *Critique of Pure Reason.*

Philosophy in the Nineteenth Century, Dr. de Laguna.

Three hours a week.

(*Given in* 1910–11.)

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course is introduced by a series of lectures upon Kant's system. The post-Kantian idealism and the philosophies of Comte and Spencer occupy the greater part of the semester.

Psychology (Animal Psychology), Dr. Leuba. *Two hours a week.*

(Open only to those students who have taken the minor course in Psychology. May be taken as a free elective by students not electing the philosophical group.)

In this semester the laboratory work is discontinued and two hours a week of lectures are given. The genesis and growth of mental life with reference to animal psychology are treated.

Group: Philosophy with Greek, *or* with English, *or* with economics and politics, *or* with mathematics, *or* with physics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Rousseau's Social Philosophy, Dr. de Laguna.

One hour a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

In this course Rousseau's theories of art, politics, and religion are discussed. A reading knowledge of French is necessary for all students attending this course.

Theory of Pragmatism, Dr. de Laguna.

One hour a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism.*

Elementary Logic, Dr. Mason. *One hour a week during the first semester.*

(Given in each year.)

An introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

The Philosophy of Nature, Dr. Mason.

One hour a week during the second semester.

(Given in each year.)

This course is an introduction to the study of the fundamental postulates of natural science. Such problems as the following will be discussed: the value of mathematical principles in natural science, the necessity of time and space as fundamental principles, the meaning of induction, the relation of the inorganic world to the organic, the relation of psychology to natural science, and finally the place of natural science in the world of knowledge and its relation to ethics and æsthetics.

Post-major Courses.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Types of Metaphysical Theory, Dr. Mason.

Three hours a week throughout the year.

(Given in each year.)

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced its implications and relationships are examined and criticised. The particular subjects selected vary from year to year. This course is open to those students only who have completed the two years of the major course in philosophy or have done equivalent work.

Studies in the Theory of Knowledge, Dr. Mason.

Two hours a week throughout the year.

(Given in each year.)

Typical theories of knowledge, both idealistic and empirical, are examined. The discussion centres around the nature of truth, and an attempt is made to show how it is related to the mind and to the empirical world.

Advanced Experimental Psychology, Dr. Leuba and Dr. Ferree.

Three hours a week throughout the year.

(Given in each year.)

This course is intended to prepare students to take up graduate work in psychology. It consists of one lecture a week given by Dr. Ferree and of five hours laboratory work in qualitative and quantitative psychology under the direction of Dr. Leuba and Dr. Ferree.

Graduate Courses.

Graduate Courses.

Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy and psychology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to eight hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work.

Ethical Seminary, Dr. de Laguna. *Three hours a week throughout the year.*
(*Given in each year.*)

The subject of the seminary is either a study of one of the chief problems of ethics or metaphysics or a critical examination of some important movement of thought.

In 1909–10 Hume and his contemporaries are studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

In 1910–11, the subject will be English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, and Pringle-Pattison. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1911–12 the subject of the seminary will be the ethics of Plato. The dialogues in which moral questions are prominently discussed are read in approximately chronological order; and the development of Plato's ethics is studied in the light of its inter-relations with his theories of knowledge and of reality.

Metaphysical Seminary, Dr. Mason. *Two hours a week throughout the year.*
(*Given in each year.*)

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1910–11 the subject of the seminary will be the theory of knowledge. The general nature of knowledge, its structure and its relation to the mind, are studied. An attempt is made to develop the criteria of truth and to show what bearing these criteria have on experience. The work centres in a study of Kant's *Critique of Pure Reason*.

In 1911–12 the subject of the seminary will be the relation of knowledge to natural science and to the normative sciences. The fundamental postulates of the world of facts and the world of values are studied critcally, and special attention is given to the logical basis of psychology. Pearson's *Grammar of Science* is used as the foundation of the work.

In 1912–13 the subject of the seminary will be the relation of knowledge to being. Various ontological systems are studied with a view to determining the limits of knowledge and the ultimate nature of reality. Bradley's *Appearance and Reality* is used as the foundation of the work.

Modern Problems in Logic, Miss Reilly. *Two hours a week throughout the year.*
(*Given in* 1910–11.)

This course is conducted according to seminary method.

Philosophical Journal Club, Dr. de Laguna and Dr. Mason.
Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Psychological Seminary, Dr. Leuba. *Two hours a week throughout the year.*
(*Given in each year.*)

The work is conducted mainly according to the seminary method. One or two of the following subjects will be chosen each year: a comparative study of Wundt, William James, James Ward, Stout, and other psychologists; language, myths, customs, attention, apperception, the will; the psychology of religion and of ethics; psychology of the beautiful; psychiatry and criminology; animal and child psychology, comparative psychology.

Systematic Psychology, Dr. Ferree. *Three hours a week throughout the year.*
(*Given in each year.*)

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and idea, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Journal Club, Dr. Leuba and Dr. Ferree.
One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Leuba and Dr. Ferree.

The laboratory work consists of individual practice and research.

Education.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory. The instruction offered covers five hours of lectures a week; it includes two hours a week of free elective work, and three hours a week of graduate work.

It is the purpose of the department to offer to students intending to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In addition to the lectures open to undergraduates, courses will be organised for graduate students only, conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

FREE ELECTIVE COURSE.

Free Elective Course.

Education, Dr. Leuba. *Two hours a week throughout the year.*

(Given in each year.)

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

GRADUATE COURSES.

Graduate Courses.

Graduate students are recommended to follow the work offered in the free elective course.

No undergraduates are admitted to graduate courses.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc., Dr. Leuba. *Two hours a week throughout the year.*

(Given in each year.)

The Psychology of Mental and Bodily Growth with reference to Education, Dr. Leuba. *One hour a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

A knowledge of elementary psychology is assumed in this course.

The Methods and Principles of Teaching, Dr. Leuba.
One hour a week throughout the year.

(*Given in* 1910–11.)

This course is open only to graduate students who have already taught or to those who take the practice work announced below.

Archæology and History of Art.

The instruction in this department is under the direction of Dr. Caroline Louise Ransom, Associate Professor of the History of Art and Classical Archæology, and Miss Georgiana Goddard King, Reader in English, and Miss Caroline Vinia Lynch, Demonstrator in Archæology and the History of Art. The instruction offered in this department covers ten hours a week of lectures; it includes five hours a week of undergraduate minor and major work; one post-major course of two hours a week open only to graduates and to undergraduates who have completed the major course in Archæology and the History of Art, and three hours a week of graduate work.

The major course is planned to give an introduction to the study of classical archæology and a brief survey of Early Christian, mediæval and Renaissance art. It is intended especially for classical students, to supplement their work in classical languages and literature by acquainting them with the material remains of antiquity and with Greek and Roman life as illustrated by the monuments. It is hoped that the courses offered will give classical students a better appreciation both of the artistic achievement of the Greeks and Romans and of its influence on later art. The post-major and graduate courses provide for advanced work in classical archæology and in Egyptian art.

FIRST YEAR.

(Minor Course.)

Major Course.

Introduction to Classical Archæology, Dr. Ransom. *Three hours a week throughout the year.*

(Given in 1910–11 *and in each succeeding year.)*

Greek and Roman architecture, coins, small bronzes, and terra-cottas are studied in the first semester and Greek and Roman sculpture in the second semester. The work of the two semesters may be elected separately. The course is illustrated with lantern slides.

Gothic Architecture, Miss King. *Two hours a week throughout the year.*

(Given in 1910–11.)

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France with parallels from English ecclesiastical architecture. In 1912–13 this course will be given again as a free elective course. It is illustrated by photographs and lantern slides.

European Architecture.* *Two hours a week throughout the year.*

(Given in 1911–12 *and in each succeeding year.)*

This course is an introduction to the study of the Early Christian, mediæval and Renaissance styles of architecture. Some attention will be paid to architectural sculpture. The course is illustrated with lantern slides.

SECOND YEAR.

Ancient Painting, Dr. Ransom. *Three hours a week throughout the year.*

(Given in 1911–12 *and in each succeeding year.)*

This course is concerned chiefly with vases and with Pompeian wall-paintings. A good collection of original material for the illustration of Greek vases is in the possession of the department. The course is illustrated with lantern slides.

Renaissance Painting.* *Two hours a week throughout the year.*

(Given in 1911–12 *and in each succeeding year.)*

Group: Archæology and History of Art with Greek *or* with Latin.

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*This course will be given by an instructor whose appointment will be announced later.

FREE ELECTIVE COURSES.

Free Elective Courses.

History of Architecture, Dr. Ransom. *Three hours a week throughout the year.*

(*Given in* 1909–10.)

This course consists of a survey of Greek, Roman, Early Christian, mediæval, and Renaissance architecture; it is illustrated with lantern slides.

Egyptian Art, Dr. Ransom. *Two hours a week throughout the year.*

(*Given in* 1909–10.)

The architecture, sculpture, pottery, and other material remains of ancient Egypt are considered, beginning with the prehistoric period and continuing to the time of the Roman supremacy in Egypt. Special attention is given to subjects bearing on the art of Greece. The lectures are illustrated with lantern slides.

Italian Renaissance Painting from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

Two hours a week throughout the year.

(*Given in* 1909–10 *and again in* 1911–12.)

In the first semester the Italian Primitives are studied chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance are studied with special attention to those of Venice and the north of Italy.

POST-MAJOR COURSES.

Post-Major Courses.

Prehistoric Sites, Dr. Ransom. *Two hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1913–14.)

This course deals chiefly with Troy, Mycenae, Tiryns and Cnossus.

Egyptian Art, Dr. Ransom. *Two hours a week throughout the year.*

(*Given in* 1911–12.)

The architecture, sculpture and products of the minor arts of ancient Egypt are considered, beginning with the prehistoric period and continuing to the time of the Roman supremacy in Egypt. Special attention is given to subjects bearing on the art of Greece. The lectures are illustrated with lantern slides.

Greek and Roman Minor Arts, Dr. Ransom.

Two hours a week throughout the year.

(*Given in* 1912–13.)

GRADUATE COURSES.

Graduate Courses.

Three hours a week of seminary work and graduate lectures are offered each year to graduate students of archæology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor, elective and post-major courses of the department amounting to seven hours a week may be elected by graduate students.

Archæological Seminary, Dr. Ransom. *Two hours a week throughout the year.*

(*Given in each year.*)

This seminary is open only to graduate students who have had some previous training in classical archæology.

In 1909–10 Roman architecture and topography are the subjects of the seminary in the first semester, and Greek vases of the fifth century are studied in the second semester.

In 1910–11 special work in Greek sculpture will be given in the first semester and Roman pottery will be studied in the second semester.

In 1911–12 Greek and Roman coins will occupy the seminary throughout the year.

In 1912–13 the subject of the seminary will be Greek vases of the fifth century B. C. in the first semester, and topography and monuments of Rome in the second semester.

Archæological Journal Club, Dr. Ransom.

One and a half hours once a fortnight throughout the year

(*Given in each year.*)

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Mr. J. Edmund Wright,* Associate Professor of Mathematics, Dr. Isabel Maddison, Associate in Mathematics, and Dr. Virginia Ragsdale, and Dr. Helen Elizabeth Huff, Readers in Mathematics. The instruction offered in mathematics covers twenty-four and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes two hours a week of a preparatory course in trigonometry and solid geometry, ten hours a week of undergraduate minor and major work, three hours a week of free elective work, four or five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

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*Died, February 20th, 1910. The courses offered by Professor Wright will be given by an instructor whose appointment will be announced later.

Preparatory Courses.

A knowledge of elementary trigonometry is necessary for students entering the minor course in mathematics or the major course in physics. A course in trigonometry of two hours a week throughout the first semester is offered in each year. This course may either be taken as a free elective or be counted as part of the year of mathematics which may be taken as an alternative for the second year of required science, and those who do not elect the course must pass the examination for advanced standing before admission to the courses mentioned above.

Major Course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

1*st Semester.*

Analytical Conics, Dr. Scott. *Three hours a week.*

Theory of Equations, Dr. Scott. *Two hours a week.*

2*nd Semester.*

Elementary Differential and Integral Calculus,* Dr. Huff. *Three hours a week.*

Algebra and Advanced Trigonometry,* Dr. Ragsdale. *Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately.

SECOND YEAR.

(Given in each year.)

1*st Semester.*

Differential and Integral Calculus, Mr. Wright.† *Three hours a week.*

Theory of Equations, Determinants, and Differential Equations, Mr. Wright.† *Two hours a week.*

2*nd Semester.*

Analytical Geometry of two and three Dimensions, History of Mathematics, Dr. Scott. *Three hours a week.*

Curve Tracing, Dr. Scott. *Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately.

Group: Mathematics with Greek, *or* with Latin, *or* with Philosophy, *or* with Physics, *or* with Chemistry, *or* with Geology.

Free Elective Courses.

FREE ELECTIVE COURSES.

Preparatory Course, Dr. Ragsdale. *Two hours a week throughout the year.*

(Given in each year.)

Trigonometry is the subject of the course in the first semester and solid geometry in the second semester. Either semester may be taken separately and counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

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*This course will be given in 1910–11 by an instructor whose appointment will be announced later.

† See footnote, page 148.

Graphical Mathematics, Dr. Scott. *One hour a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12.)

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be combined with the preparatory course and the course in applied mathematics or with post-major courses to make up the year of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

One hour a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. It may be taken as a free elective and may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Elementary Course in Applied Mathematics, Mr. Wright.*

Two hours a week throughout the year.

(*Given in each year.*)

This course is intended for students who are taking or have already taken either the minor course in mathematics. It comprises an elementary treatment of the most important mathematical problems of statics, dynamics, hydrodynamics, optics, heat, sound, astronomy, an account of Newton's *Principia*, and a brief historical sketch.

This course may be combined with the courses in trigonometry or solid geometry or graphical mathematics or with post-major mathematics to make up the year of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four or five hours a week. The courses given are the following, with occasional modifications:

I. (*a*.) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*, Dr. Scott.

or, I. (*b*.) Lectures on Modern Pure Geometry, Dr. Scott.

or, I. (*c*.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc., Dr. Scott.

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* See footnote, page 148.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (*a.*) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*, Mr. Wright.*

or, II. (*b.*) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II, Mr. Wright.*

or, II. (*c.*) Lectures on Differential Equations, ordinary and partial, Mr. Wright.*

or, II. (*d.*) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc., Mr. Wright.*

III. (*a.*) Lectures on Analytical Geometry of Three Dimensions, Dr. Maddison.

or, III. (*b.*) A practical course in Differential Equations Dr. Maddison.

or, III. (*c.*) Lectures on the Theory of Envelopes, Dr. Maddison.

In 1909–10 the following post-major courses are offered:

I. (*a.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*b.*) Mr. Wright.	*Two hours a week during the first semester.*
III. (*a.*) Dr. Maddison.	*One hour a week throughout the year.*

In 1910–11 the following post-major courses are offered:

I. (*c.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*d.*)	*Two hours a week during the first semester.*
II. (*c.*)	*Two hours a week during the second semester.*
III. (*a.*) Dr. Maddison.	*One hour a week throughout the year.*

In 1911–12 the following post-major courses are offered:

I. (*a.*) Dr. Scott.	*One hour a week throughout the year.*
II. (*a.*)	*Two hours a week throughout the year.*
III. (*c.*) Dr. Maddison.	*One hour a week throughout the year.*

GRADUATE COURSES.

Graduate Courses.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to four or five hours a week may be elected by graduate students.

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*See footnote page 148.

Theory of Algebraic Invariants, Dr. Scott.

Two hours a week throughout the year.

(*Given in* 1909–10.)

In this course binary and ternary forms are considered by means of Aronhold's symbolic notation. During the first semester the work is purely algebraic, during the second semester more attention is paid to the geometrical applications. A general knowledge of plane algebraic curves is necessary for students taking this course.

Seminary in the Theory of Plane Algebraic Curves, Dr. Scott.

Two hours a week throughout the year.

(*Given in* 1909–10.)

Theory of Surfaces, Dr. Scott. *Two hours a week throughout the year.*

(*Given in* 1910–11.)

A general knowledge of plane algebraic curves is necessary for students taking this course.

Plane Algebraic Curves, Dr. Scott. *Two hours a week throughout the year.*

The course deals with the general theory of plane algebraic curves, with special attention to topological investigations.

Elliptic Functions.* *Two hours a week throughout the year.*

(*Given in* 1910–11.)

A knowledge of the elementary properties of elliptic functions is presupposed; the properties of the theta functions are considered and some time is spent on the transformation theory. In the latter portion of the course the properties of modular functions are discussed.

Theory of Functions.* *Two hours a week throughout the year.*

(*Given in* 1911–12.)

A knowledge of the elements of the theory is presupposed. The course will contain some account of the theory of functions of more than one independent variable and in particular will include a discussion of the properties of multiply periodic functions.

Linear Differential Equations.* *Two hours a week throughout the year.*

(*Given in* 1912–13.)

This course consists of a discussion of the general theory of these equations, particular attention being paid to those of the second order. A detailed account is given of those equations whose singular points are regular. The expression of the variables as uniform functions of a parameter is dealt with and in this connection the elementary properties of automorphic functions are given. Solution by means of definite integrals and equations of the type which arise in connection with mathematical physics are discussed.

Mathematical Seminary and Journal Club, Dr. Scott and Mr. Wright.*

One hour a fortnight throughout the year.

Fortnightly meetings are held at which reports on special topics or memoirs are presented by the instructors and the graduate students.

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*See footnote, page 149.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. Nettie Maria Stevens, Dr. James Barnes, Dr. Frederick Hutton Getman, Mr. Chester Albert Reeds, Dr. Harriet Randolph, Dr. Frances Lowater, and Miss Gertrude Langden Heritage.

In January, 1893, the trustees opened Dalton Hall, a large building containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The physical, chemical, and biological laboratories are open to students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men.*

The value of a practical knowledge of biology and chemistry as preliminary or accessory to the professional study of medicine is generally recognised. Through the courtesy of the Woman's Medical College of Pennsylvania, allowance is made in its professional courses for work carried on at Bryn Mawr in the scientific laboratories. Students of Bryn Mawr College that have completed major courses in chemistry and biology are released from the primary, or first year's examination in this college, and from laboratory practice in chemistry and biology. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University, and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Every effort is made to enable students of medicine to complete the studies necessary to their purposes in the shortest possible time.

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* RESOLUTIONS ADOPTED BY THE BOARD OF TRUSTEES OF THE JOHNS HOPKINS UNIVERSITY, ON FEB. 6TH, 1893.

"A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as Candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University.

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of Physics, Chemistry, and Biology as is imparted by the regular minor courses† given in these subjects in this University.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† By a minor course is understood one that requires one year for its completion. In the languages, the course involves five class-room exercises a week; in Physics, four class-room exercises and three hours a week in the laboratory; and in Chemistry and Biology, four class-room exercises and five hours a week in the laboratory in each subject.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Associate Professor of Physics, Dr. James Barnes, Associate in Physics, and Dr. Frances Lowater, Demonstrator in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one hour a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

1st Semester.

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff. *Five hours a week.*

Major Course.

Laboratory Work, Dr. Huff and Dr. Lowater. *Four hours a week.*

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes. *Five hours a week.*

Laboratory Work, Dr. Barnes and Dr. Lowater. *Four hours a week.*

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Crew's *General Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

(Given in each year.)

1st Semester.

Theoretical Mechanics, Theory of Light, Dr. Barnes. *Five hours a week.*

Laboratory Work, Dr. Barnes and Dr. Lowater. *Five hours a week.*

2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff. *Five hours a week.*

Laboratory Work, Dr. Huff and Dr. Lowater. *Five hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics;* the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat;* dynamics:

selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics;* and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism;* optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, *or* with Mathematics, *or* with Chemistry, *or* with Geology, *or* with Biology.

FREE ELECTIVE COURSE.

Free Elective Course.

Historical Development of Physics, Dr. Huff.

One hour a week throughout the year.

The work of this course consists of lectures, required reading and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

(*Given in* 1909-10.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*

(*Given in* 1909-10.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Spectroscopy, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1910–11.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie.* Detailed reports of laboratory investigations are required and in this work Mann's *Manual of Advanced Optics* will be found useful.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(*Given in* 1911–12.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. Emphasis is laid upon giving clear ideas of physical phenomena. A large number of problems on potential and attraction are assigned.

General Optics, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1912–13.)

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of physics accompanied by the direction of private reading, laboratory work and original research, and these courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

Thermo-dynamics and Radiation, Dr. Barnes.

Three hours a week throughout the year.

(*Given in* 1909-10.)

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Radioactivity, Dr. Huff. *Three hours a week during the first semester.*

(*Given in* 1910-11.)

The earlier lectures deal with the motion of a charged particle in the field. A discussion of the methods of measuring the velocity of a moving charged particle, and the ratio of its charge to its mass follows. After a discussion of the various radioactive processes a brief account of the theories of the structure of the atom is given.

Discharge of Electricity through Gases, Dr. Huff.

Three hours a week during the second semester.

(*Given in* 1910-11.)

The lectures deal primarily with the study of ions and the part they play in the mechanism of the electric discharge.

Physical Optics, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1911–12.)

This course gives a general mathematical discussion of physical optics. Attention is paid to the methods and results of important investigations, bringing in the essential points.

Mathematical Theory of Electricity and Magnetism, Dr. Huff.

Three hours a week throughout the year.

(*Given in* 1912-13.)

The lectures are based on Maxwell's standard work, and include a somewhat detailed account of the later development of the theory.

Physical Journal Club, Dr. Huff and Dr. Barnes.

One hour a week throughout the year.

(*Given in each year.*)

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in work in the laboratory. The laboratory is provided with special rooms for magnetic, optical, and electrical work, and in the basement is a constant-temperature vault designed for accurate comparison of lengths, etc. The stock of apparatus is being added to yearly. A well-equipped shop and a skilled mechanic make it possible to construct special forms of apparatus designed for research.

Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. Frederick Hutton Getman, Associate in Chemistry, and Miss Gertrude Langden Heritage, Demonstrator in Chemistry. The instruction offered in chemistry covers nineteen hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, three hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in both inorganic and organic chemistry, making an elementary course that is complete in itself.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are mainly on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

First Year.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

1st Semester.

Introduction to General Chemistry, Dr. Kohler. *Five hours a week.*

Laboratory Work, Dr. Kohler and Miss Heritage. *Five hours a week.*

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed. Throughout the semester the lectures and the laboratory work are complementary. The laboratory work of each day is outlined in the lecture, sufficient instruction being given to enable the students to observe intelligently. After all the experiments on a given subject have been made, the results are discussed in the class-room.

2nd Semester.

Introduction to Organic Chemistry, Dr. Getman. *Two hours a week.*

This course is designed to meet the needs of students who take only one year of chemistry; but the material is so selected that it serves as an introduction to the more systematic course given in the second year. An effort is made to give an accurate conception of the underlying principles of organic chemistry.

Qualitative Analysis, Dr. Getman. *Three hours a week.*

Laboratory Work, Dr. Getman and Miss Heritage. *Five hours a week.*

This course consists of lectures, reviews, and laboratory work in qualitative analysis, the object being to familiarise the students with the properties and distinguishing characteristics of inorganic substances, and with the help of a systematic scheme of analysis to separate and identify various substances.

Second Year.

(*Given in each year.*)

1st Semester.

Lectures on Theoretical Chemistry, Dr. Getman. *Five hours a week.*

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria.

Laboratory Work, Dr. Getman. *Five hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Kohler. *Five hours a week.*

This course presupposes a knowledge of the elements of organic chemistry as given in the first year, and is devoted to a systematic and detailed study of organic compounds. In the lectures the typical compounds are studied in detail; the general relations existing between classes of compounds, as well as the methods of transforming one class into another, are discussed. The experimental processes and the reasoning employed in determining constitutional or structural formulas are considered, and an attempt is made to trace the influence of organic investigations on the development of general chemistry.

Laboratory Work, Dr. Kohler and Miss Heritage. *Five hours a week.*

The laboratory work is devoted to organic preparations. A few simple substances are first studied with care. These are then transformed in a variety of ways to illustrate the relations on which the method of classifying organic compounds is based. Finally the same substances are used as material with which to build up more complex compounds in order to illustrate the synthetical methods by which the complicated organic compounds occurring in nature can be prepared in the laboratory.

Group: Chemistry with Mathematics, *or* with Physics, *or* with Geology, *or* with Biology.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Organic Chemistry, selected topics, Dr. Kohler. *Three hours a week throughout the year.*

(*Given in* 1909-10 *and again in* 1911–12.)

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general, the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

Inorganic Chemistry, Dr. Getman. *Three hours a week throughout the year.*

(*Given in* 1910-11 *and again in* 1912–13.)

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry and to lay a foundation for independent work in this subject. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

The laboratory work includes the calibration of instruments; the preparation of pure substances; advanced quantitative analysis, comprising the elements of gas and water analysis; and such physico-chemical measurements as the needs of the individual student may indicate.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of chemistry accompanied by the direction of private reading, laboratory work, and original research. The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy.

Such students may specialise either in organic chemistry, under the direction of Dr. Kohler, or in inorganic and physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of their minor subjects. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

Chemical Seminary, Organic Chemistry, Dr. Kohler.

One hour a week throughout the year.

(*Given in each year.*)

The students who specialise in organic chemistry present formal reports upon assigned topics.

Chemical Seminary, Inorganic Chemistry, Dr. Getman.

One hour a week throughout the year.

(*Given in each year.*)

The course consists of lectures, required reading, and reports on various topics. Modern determinations of atomic weight, the constitution of the chromic chlorides, the separation of the rare earths and radio-activity have been among the subjects treated. The needs of the individual students are considered in selecting the subjects for discussion.

Advanced Organic Chemistry, Dr. Kohler.

Three hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

Physical Chemistry, Dr. Getman. *Three hours a week throughout the year.*

(*Given in* 1909–10 *and again in* 1911–12)

The lectures give a general survey of the subject, including the laws of gases, the elements of thermodynamics, the theory of solutions, chemical kinetics, equilibria and thermo-chemistry and electro-chemistry. The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances, the study of reaction velocities, calorimetry, and electro-chemical measurements.

Chemical Journal Club, Dr. Kohler and Dr. Getman.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Mr. Chester Albert Reeds, Lecturer in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, two hours a week of free elective work, two post-major courses equivalent to three hours a week open only to graduates and to undergraduates that have completed the major course in geology and three graduate courses equivalent to five, three and two hours a week respectively.

The first year of the major course in geology is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The purpose of the course is to make clear to the student the present constitution and form of the earth's crust, to promote keen and accurate observation of natural phenomena, and to give some insight into the nature of geological problems. The second year of the major course deals with the evolution of the earth's crust, and affords training in palæontology, stratigraphy, and structural geology.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

1*st Semester.*

Major Course.

Lectures on Physiography, Dr. Bascom. *Five hours a week.*

Field Work, Dr. Bascom. *Three hours a week.*

Laboratory Work, Dr. Bascom. *Two hours a week.*

The lectures first deal with the character and action of the forces which control the landscape; subsequently the features produced by these physiographic processes are treated; finally physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographical relief models, and maps. No text-book is used, but standard manuals are accessible for reference.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighborhood on Mondays from 2 to 5 P.M. during the autumn and spring. As the course progresses, more extended excursions may be taken among the crystalline rocks of the South Mountain Range or the fossiliferous formations of the Coastal Plain. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Lectures on Megascopic Petrology, Mr. Reeds. ***Five hours a week.***

Field Work, Mr. Reeds. ***Three hours a week.***

Laboratory Work, Mr. Reeds. ***Two hours a week.***

The lectures discuss the materials which constitute the earth's crust; the chief precious stones, the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models.

In the laboratory crystal forms, rock-forming minerals, and rock types are systematically studied.

Field mapping similar to that of the first semester is continued throughout the semester.

SECOND YEAR.

1st Semester. (*Given in each year.*)

Lectures on Historical Geology, Mr. Reeds. ***Five hours a week.***

Field Work, Mr. Reeds. ***Three hours a week.***

Laboratory Work, Mr. Reeds. ***Two hours a week.***

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves frequent excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania and the Mesozoic and Cenozoic formations of New Jersey.

2nd Semester.

Lectures on Glaciology and Structural Geology, Dr. Bascom. ***Five hours a week.***

Field Work, Dr. Bascom. ***Three hours a week.***

Laboratory Work, Dr. Bascom. ***Two hours a week.***

The lectures treat of the conditions, work and origin of the glacial period, the development of man, the causes and effects of crustal movements, and hypotheses of the origin and age of the earth. The course is illustrated with models, photographs and lantern slides.

In the laboratory topographic maps and models illustrating features due to glaciation and maps and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Mathematics, *or* with Physics, *or* with Chemistry, *or* with Biology.

FREE ELECTIVE COURSES.

(*Given in each year.*)

1st Semester.

Free Elective Courses.

Lectures on Meteorology, Mr. Reeds.

Two hours a week during the first semester.

The course consists of lectures on atmospheric phenomena illustrated by a selected series of lantern slides. Weather maps and forecasts are received daily from Washington and Philadelphia, and, by means of these, weather conditions in the United States are studied and observations are made on phenomena attending storms.

2nd Semester.

Lectures on Oceanography, Mr. Reeds.

Two hours a week during the second semester.

.The course consists of a study of the ocean. The lectures treat of the temperatures, salinity, movements, life and sedimentation of the ocean. They are illustrated by lantern slides.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Lectures on Petrography, Dr. Bascom. *Two hours a week throughout the year.*

Field Work, Dr. Bascom. *Three hours a week throughout the year.*

Laboratory Work, Dr. Bascom.

Two and a half hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Lévy are used for reference. Special field problems are given to the students for independent solution.

Lectures on Palæontology, Mr. Reeds. *Two hours a week throughout the year.*

Field Work, Mr. Reeds. *Three hours a week throughout the year.*

Laboratory Work, Mr. Reeds. *Two and a half hours a week throughout the year.*

The course presupposes a knowledge of historical geology. A systematic study is made of the various classes of animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Weekly excursions are made to neighboring fossiliferous localities to collect fossils, and to observe their occurrence in the rocks. The student has access, not only to the representative palæontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of geology accompanied by the direction of private reading, laboratory work, and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to four hours a week may be elected by graduate students.

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate course in historical geology is designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; it may also be taken by graduate students in biology who wish to make historical geology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Lectures on Petrology, Dr. Bascom. *One hour a week throughout the year.*

Field Work, Dr. Bascom. *Four hours a week throughout the year.*

Laboratory Work, Dr. Bascom. *Eight hours a week throughout the year.*

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research-work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Lectures on Mineralogy, Dr. Bascom. *One hour a week throughout the year.*

Laboratory Work, Dr. Bascom. *Three hours a week throughout the year.*

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing. Lectures on descriptive mineralogy or optical crystallography are included in this course when desired. The Theodore D. Rand mineral collection furnishes superior material for study and illustration.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Lectures on Advanced Historical Geology, Mr. Reeds.
One hour a week throughout the year.

Field Work, Mr. Reeds. *Three hours a week throughout the year.*

Laboratory Work, Mr. Reeds.

Three and a half hours a week throughout the year.

A detailed study is made of the rocks of one or more geological periods. The faunas and floras in these rocks are studied with respect to their development and to their associations in the various geographic areas and zoologic provinces. The student will study the literature bearing on the periods under consideration, and in the field, will make a systematic investigation of an assigned area in the vicinity of the college.

Geological Journal Club, Dr. Bascom and Mr. Reeds.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens, Associate in Experimental Morphology, and Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany. The instruction offered in biology covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour a week of free elective work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and four hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

First Year.

(Minor Course.)

(Given in each year.)

1st *Semester.*

Major Course.

Lectures on General Biology, Dr. Tennent.	*Four hours a week.*
Lectures on Plants, Dr. Randolph.	*One hour a week.*
Laboratory Work, Dr. Tennent and Dr. Randolph.	*Five hours a week.*

2nd Semester.

Lectures on Vertebrates, Dr. Warren.

Five hours a week for the first nine weeks.

Lectures on the Embryology of the Chick, Dr. Tennent.

Five hours a week for the last four weeks.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Randolph.

Five hours a week.

It is the object of this course to give the student clear conceptions of the fundamental principles of vital structure and action, the outlines of general classification, and the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiæ of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student examines a number of animals and plants, so arranged as to form a natural and progressive introduction to the general principles of biology. After certain general preliminary studies of familiar and highly organised forms, the student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

(*Given in each year.*)

1st Semester.

Animal Physiology, Dr. Warren. *Five hours a week.*

Laboratory Work, Dr. Warren and Dr. Randolph. *Five hours a week.*

A knowledge of scientific physiology is conveyed by a detailed account of the microscopic structure and the mode of working of the higher animal organisms. The application of this knowledge to hygiene, medicine, and psychology is indicated.

The chief organs and tissues of the vertebrate body are examined with the microscope. Considerable time is given to familiarising the student with the preparation and mounting of material for microscopical study. The fundamental facts of physiology and the methods of physiological inquiry are taught by means of demonstrations and experiments by the students. The laboratory has a good equipment of apparatus, to which additions are constantly made.

2nd Semester.

General Zoology, Dr. Tennent. *Two hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life and a systematic presentation of the more important facts of general morphology.

Comparative Anatomy of Mammals, Selected topics, Dr. Warren. *Two hours a week.*

Theoretical Biology, Dr. Tennent. *One hour a week.*

In this course the student is introduced to some of the leading questions of theoretical general biology. The first part of the course treats of the history of biological discovery with special reference to the development of the more important generalisations and theories of the science. The latter part is mainly devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology, such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Randolph. *Five hours a week.*

In the laboratory thorough dissections are made of typical forms, illustrating the leading groups of animals. A portion of the course is devoted to a study of the sense organs.

Group: Biology with Physics, *or* with Chemistry, *or* with Geology.

Free Elective Course.

FREE ELECTIVE COURSE.

Theoretical Biology, Dr. Tennent. *One hour a week throughout the year.*

(*Given in each year.*)

This course deals chiefly with the subjects of evolution and heredity, and is open to students who have taken a minor course in biology, chemistry, geology, or physics, or have done equivalent work. A considerable amount of assigned reading will be required.

Post-Major Courses.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Comparative Anatomy and Embryology of the Protochordates, Dr. Tennent. *One hour a week during the first semester.*

(*Given in* 1909–10 *and again in* 1911–12.)

This course of lectures, assigned reading, and laboratory work is intended to supplement the major course in zoology. Types of the principal groups of the protochordates are studied in the laboratory and some individual work is assigned.

The Structure of Protoplasm and the Cell, Dr. Tennent. *One hour a week during the second semester.*

(*Given in* 1909–10 *and again in* 1911–12.)

The structure of protoplasm, the mechanism of cell division, fertilisation, reduction, and some of the problems of cell organisation are described and studied.

Embryology, Dr. Tennent. *One hour a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

This course consists of lectures and laboratory work on the embryology of the vertebrates. In the lectures an effort is made not only to discuss the embryology of specific forms but also to consider carefully the fundamental questions of embryological interest. The development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Mammal is studied. After the study of these forms some elementary problem in embryology is assigned to each student.

Advanced Physiology, Dr. Warren.

One hour a week throughout the year.

(Given in each year.)

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation. In suitable cases and by special permission of the instructor this course may be extended by laboratory work and private reading. In this way it may be made equivalent to a course of two or three hours a week.

Lectures on the Structure and Function of the Central Nervous System, Dr. Warren.

One hour a week throughout the year.

(Given in each year.)

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry, Dr. Warren.

Two hours a week throughout the year.

(Given in each year.)

The instruction in this course is given by lectures and conferences on selected topics and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry at least equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology, Dr. Warren.

One hour a week throughout the year.

(Given in each year.)

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Problems in Experimental Morphology, Dr. Stevens.

One hour a week throughout the year.

(Given in each year.)

The object of this course is to give a general historical view of experimental morphology, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in this subject. The students are referred to the most recent literature on the subject and an attempt is made to make them familiar with the most interesting problems in experimental morphology and cytology. This course may be taken as a one hour course with one and a half hours laboratory work or assigned reading, but it is recommended that it be taken with four or more hours of laboratory work as a two, three, or four hour course.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Stevens.

It is desirable that as much laboratory work as possible should be done in connection with the lectures offered above. The time to be spent in the laboratory is not rigidly fixed, but the maximum requirement is such that the lectures count as equivalent to a full five hour course. Special problems, moreover, are assigned to each student, and at the end of the year the result of the work is presented in writing.

GRADUATE COURSES.

Graduate Courses. Four hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work, and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to seven hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Stevens, or in animal physiology under the guidance of Dr. Warren.

Problems in Embryology, Dr. Tennent. *One hour a week throughout the year.*

(*Given in* 1909–10.)

The embryology of invertebrates with special reference to germinal organisation, cleavage and differentiation and to the problems of inheritance and development is studied.

The Evolution of Organisms, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1910–11.)

This course of lectures deals with the growth of the idea of organic evolution, the greater part of the course being devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

Adaptation of Organisms, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1911–12.)

In this course the adaptation of organisms to environment, the origin of adaptations, and the theories that have been advanced to account for adaptation are considered.

Selected Problems of Nutrition with special reference to recent discussions of standard diets, Dr. Warren. *One hour a week throughout the year.*

(*Given in* 1909–10.)

The Interstitial Secretion of Glands ("Internal Secretion"), Dr. Warren.

One hour a week during the first semester.

(*Given in* 1910–11.)

Selected Problems in Respiration and their bearing on the Nature of Metabolism, and The Problem of Animal Heat (Thermometry and Calorimetry), Dr. Warren. *One hour a week during the second semester.*

(*Given in* 1910–11.)

An Introduction to the History and Literature of Animal Physiology, Dr. Warren. *One hour a week during the first semester.*

(*Given in* 1911–12.)

The Problem of the Knee-jerk, and a Discussion of the Graphic Method in its Application to Physiology, Dr. Warren.

One hour a week during the second semester.

(*Given in* 1911–12.)

Advanced Experimental Morphology, Dr. Stevens.

One hour a week throughout the year.

(*Given in each year.*)

The topics treated in this course vary from year to year according to the needs of the graduate students attending the lectures and the work being done by prominent investigators in the field of experimental morphology. Special use is made of recent periodical literature. The subjects considered in 1905–10 were experimental morphology from a historical standpoint, Darwin's experimental work, some problems in regeneration, problems in experimental embryology, statistical methods for the study of biological variation, sex determination, the mutation theory and Mendelism. A selection from these topics will be given in 1910–11, unless some other subjects seem more desirable. Problems for laboratory research are assigned to students who desire to do research work in experimental morphology or cytology.

Biological Journal Club, Dr. Tennent, Dr. Warren, and Dr. Stevens.

One hour a week throughout the year.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Stevens.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College *ex officio*, the Dean of the College, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Visiting Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development,.strength of heart and lungs and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practicing in Philadelphia, whose names may be found in the list of Appointments, have consented to serve as consulting physicians of the college and will be consulted in cases requiring their advice. The Visiting Physician will be in her college office during the hours from four to six of every afternoon except Sunday and may be consulted by the students without charge.

Students on the sick list are under the care of the attending physicians and the Dean of the College. Students on the special supervision list and all other students not on the sick list are under the immediate care of the Director of Athletics and Gymnastics, who keeps careful records of the health of all students and endeavors by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students on account of illness before and after vacations and from attendance on academic work.

Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Elizabeth L. Gray, Assistant Director of Athletics and Gymnastics.

The gymnasium (see page 175) is open for the use of students from 7 A.M. to 10 P.M. daily. Four periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis, hockey, and riding; in the winter, water polo, lacrosse, indoor base ball, skating, swimming meet, fencing, and indoor track athletics; in the spring, basket ball, cricket, and tennis. All students who cannot satisfy the swimming test are required to take six lessons in swimming. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student, while exercising in the gymnasium, must wear a gymnasium suit of the pattern prescribed by the Director.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighborhood.

Religious services are held every Sunday evening, under the auspices of the College and of the Students' Christian Association, and prominent clergymen of different denominations are invited to address the students. A service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room.

Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side is the Art Seminary, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a study room for the non-resident students, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain fourteen seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, and Philosophy in the north wing; Mathematics, History, Economics, Psychology, and Semitic Languages in the south wing. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, the Students' Association for Self-Government, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A.M. till 10 P.M. and on Sundays from 2 P.M. till 10 P.M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a luncheon-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnæ and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 A.M. till 10 P.M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnæ, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basements of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary wash-stands and tea pantries.

The Delaware and Atlantic Telegraph and Telephone Company, a branch of the long-distance Bell Telephone Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A.M. to 12 P.M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

Published by Students Who Have Obtained the Degree of Doctor of Philosophy from Bryn Mawr College.

Bartlett, Helen. The Metrical Division of the Paris Psalter. 49 + [1] p., O. Baltimore, The Friedenwald Company. 1896.

Boring, Alice Middleton. A Study of the Spermatogenesis of Twenty-two Species of the Membrocidæ, Jassidæ, Cercopidæ and Fulgoridæ. p. 470–512, O. 9 pl. Baltimore. 1907.

Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.

Bourland, Caroline Brown. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Macon, Protat Frères, 1905.

Reprint from *Revue Hispanique*, t. xii.

Breed, Mary Bidwell. The Polybasic Acids of Mesitylene. 31 + [1] p., O. Baltimore, The Friedenwald Company. 1901.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.

Bunting, Martha. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.

Revised reprint from *Journal of Morphology*, vol. 9, No. 2.

Byrnes, Esther Fussell. The Maturation and Fertilisation of the Egg of Limax Agrestis (Linné). p. 201–236 + [1] p., O. Boston, Ginn and Company, publishers. The Athenæum Press. 1899.

Reprint from *Journal of Morphology*, vol. 16, No. 1.

Claflin, Edith Frances The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

Ellis, Ellen Deborah. Introduction to the History of Sugar as a Commodity. 117 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 4.

Emery,* Annie Crosby. The Historical Present in Early Latin. 120 + [3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

Evers, Helen Margaret. Critical edition of the discours de la vie de Pierre de Ronsard, par Claude Binet. iv + 190 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 2.

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* Mrs. Francis Greenleaf Allinson.

FRANKLIN, SUSAN BRALEY. Traces of Epic Influence in the Tragedies of Æschylus. 81 p., O. Baltimore, The Friedenwald Company. 1895.

GENTRY, RUTH. On the Forms of Plane Quartic Curves. [7] + 73 p., O. 13 pl., New York, Robert Drummond. 1896.

HALL, EDITH HAYWARD. The Decorative Art of Crete in the Bronze Age. 47 pp. 3 pl. The John C. Winston Co., Philadelphia, 1907.
Reprint in part from *Transactions of the Department of Archæology of the University of Pennsylvania*, vol. 2, part 1. 1906.

HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142–176, O.
Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.

KING, HELEN DEAN. The Maturation and Fertilisation of the Egg of Bufo Lentiginosus. p. 293–350, O. Boston, Ginn and Company. publishers. The Athenæum Press. 1901.
Reprint from *Journal of Morphology*, vol. 17, No. 2.

LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine p. 85–115, O.
Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.

LEFTWICH,* FLORENCE. *La Vie Seint Edmund le Rei.* An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1–174, O. Philadelphia, The John C. Winston Co. 1906.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.

LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain Published as Industrial experiments in the British colonies of North America. 10 + 154 p., O.
Johns Hopkins University Studies, Extra volume, 17. Baltimore, 1898.

LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324–342, O.
Reprint from the *Astrophysical Journal*, vol. 23, No. 4, May, 1906.

LYON,† DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70–85 and p. 152–192.
American Journal of Philology, vol. 19. 1898.

MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1–21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.

MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311–374, O.
Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.

MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *American Journal of Mathematics*, vol. 23, No. 3.

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* Mrs. S. Prioleau Ravenel.

† Mrs. Emmons Bryant.

Neilson, Nellie. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.

Parris, Marion. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.

Peebles, Florence. Experiments in Regeneration and in Grafting of Hydrozoa. 53 + [1] p., O. Leipzig, Wilhelm Engelmann. 1900.

Perkins, Elizabeth Mary. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C. Printed by Judd and Detweiler. 1904.

Ragsdale, Virginia. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.

Reprint from *American Journal of Mathematics*, vol. 28, No. 4.

Reimer, Marie. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.

Ritchie, Mary Helen. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57 + [1] p., O. Philadelphia, Avil Printing Company. 1902.

***Schaeffer, Helen Elizabeth.** A Study of the Electric Spark in a Magnetic Field. p. 121–149, 1 pl. O. 1908.

Reprint from *Astrophysical Journal*, vol. 28, 1908.

Stevens, Nettie Maria. Further Studies on the Ciliate Infusoria, Licnophora and Boveria. 45 p. 6 pl., O. 1903.

Reprint from *Archiv für Protistenkunde*, Bd. iii.

Stites, Sara Henry. Economics of the Iroquois. 159 + vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.

Sweet, Marguerite. The Third Class of Weak Verbs in Primitive Teutonic with special reference to its Development in Anglo-Saxon. 49 + [1] p., O. Baltimore, The Friedenwald Company. 1893.

Traver, Hope. The Four Daughters of God. A Study of the Version of this Allegory, with especial reference to those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.

Urdahl,† Margerethe. On Certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

Warren,‡ Winifred. A Study of Conjunctional Temporal Clauses in Thukydides. 76 + [3] p., O. Berlin, printed by Unger Brothers, 1897.

Willis, Gwendolen Brown. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press. 1905

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*Mrs. William Bashford Huff. † Mrs. Lewis Albert Anderson.
‡ Mrs. George Arthur Wilson.

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Schedule of Lectures, First Semester, 1910–11.

A.M.	COURSE.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
9	Matriculation Courses. General. Minor. Major. Elective. Graduate.	Greek (Kirk). German. French (Haeberli). Philosophy (de Laguna). Greek, Plato (Sanders). French, Literature (Blossom). History, Mediaeval. Classical Archaeology. Mathematics (Scott). Chemistry (Kohler). German, Literature (Jessen). Theoretical Biology (Tennent). Physics (Barnes). Geology (Reeds).	Greek (Kirk). German. French (Haeberli). Psychology (Leuba). Greek, Homer (Wright). French, Reading (Schinz). History, Mediaeval. Gothic Architecture (King, G. G.). Mathematics (Scott). Chemistry (Kohler). German, Composition. Trigonometry (Ragsdale).	Greek (Kirk). German. French (Haeberli). Philosophy (de Laguna). Greek, Plato (Sanders). French, Reading (Blossom). History, Mediaeval. Classical Archaeology. Mathematics (Scott). Chemistry (Kohler). German, Literature (Jessen). Hist. Devel. of Physics (Huff). Meteorology (Reeds). Biology (Tennent). Physics (Barnes).	Greek (Kirk). German. French (Haeberli). Psychology (Leuba). Greek, Homer (Wright). French, Composition (Schinz). History, Mediaeval Gothic Architecture (King, G. G.). Mathematics (Scott). Chemistry (Kohler). German, Faust (Jessen). Trigonometry (Ragsdale). New Testament Canon (Barton). Physics, Sem. and Jour. Club (Huff and Barnes). Biology, Journal Club (Tennent, Warren).	Greek (Kirk). German. French (Haeberli). Philosophy (de Laguna). Greek, Composition (Sanders). French, Literature (Blossom). History, Mediaeval. Classical Archaeology. Mathematics (Scott). Chemistry (Kohler). German, Reading (Jessen). Meteorology (Reeds). Biology (Warren). Physics (Barnes). Geology (Bascom).
10	General. Minor. Major. Elective. Post-major. Graduate.	Eng. Lit., 2d yr. (Donnelly). German Grammar. Spanish (DeHaan). Comparative Literature, Epic, (Hatcher). Biology (Tennent). Latin, Tacitus (Wheeler). History, Modern (Smith). Philosophy (Mason). Geology (Reeds). Physics (Huff).	Eng. Comp., 2d yr., Occa. Mtgs. German, Literature (Jessen). Spanish (DeHaan). Comparative Literature, Neo-classicism (Upham). Biology (Tennent). Latin, Literature. History, Modern (Smith). Geology (Reeds). German, Composition. Logic (Mason). Applied Mathematics. Chemistry (Getman).	Eng. Lit., 2d yr. (Donnelly). German, Composition. Spanish (DeHaan). Comparative Literature, Epic (Hatcher). Biology (Tennent). Latin, Tacitus (Wheeler). History, Modern (Smith). Philosophy (Mason). Geology (Reeds). Fundamental Theorems of Mathematics (Scott). Physics (Huff). Chemistry (Getman).	Eng. Comp., 2d yr., Occa. Mtgs. German, Literature (Jessen). Spanish (DeHaan). Comparative Literature, Neo-classicism (Upham). Biology (Tennent). Latin, Literature. History, Modern (Smith). Psychology (Ferree). Geology (Reeds). German, Composition. Pragmatism (de Laguna). Applied Mathematics. Chemistry (Getman).	Eng. Lit., 2d yr. (Donnelly). German, Reading (Jessen). Spanish (DeHaan). Comparative Literature, Epic (Hatcher). Biology (Tennent). Latin, Tacitus (Wheeler). History, Modern (Smith). Philosophy (Mason). Geology (Reeds). Physics (Huff).
11	General. Minor. Major. Post-major. Graduate.	Eng. Lit., 1st yr. (Donnelly). Mid. English Poetry (Brown). Philosophy (de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Upham). Italian (Holbrook). Spanish, Reading (DeHaan). Mathematics. Chemistry (Getman).	Eng. Comp., 1st yr., Occa. Mtgs. English Poets (Donnelly). Psychology (Leuba). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff) Spanish, Literature (DeHaan). Mathematics. Chemistry (Getman). Biology (Warren). Petrology (Bascom).	Eng. Lit., 1st yr. (Donnelly). Mid. English Poetry (Brown). Philosophy (de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Upham). Italian (Holbrook). Spanish, Grammar (DeHaan). Mathematics. Chemistry (Getman).	Eng. Comp., 1st yr., Occa. Mtgs. English Poets (Donnelly). Psychology (Leuba). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff) Spanish, Literature (DeHaan). Mathematics. Chemistry (Getman). Biology (Tennent).	Eng. Lit. 1st yr. (Donnelly). Mid. English Poetry (Brown). Philosophy (de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Upham). Italian (Holbrook). Spanish, Reading (DeHaan). Mathematics. Chemistry (Getman). Mineralogy (Bascom).
12	Minor. Major. Elective.	Latin, Livy (Wheeler). Eng. 19th Cent. Critics (Upham). Italian (Holbrook). Geology (Bascom). Greek, Demosthenes (Sanders). French, Literature (Schinz). Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren).	Latin, Horace. Eng., Anglo-Saxon (Brown). Masterpieces of Italian Lit. (Holbrook). Geology (Bascom). Greek, Literature (Wright). French, Reading (Blossom). Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren). Victorian Poets (King, G. G.).	Latin, Livy (Wheeler). English, 19th Cent. Critics (Upham). Italian (Holbrook). Geology (Bascom). Greek, Aristophanes (Sanders). French, Reading (Schinz). Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren). Chemistry (Kohler).	Latin, Horace. Eng., Anglo-Saxon (Brown). Masterpieces of Italian Lit. (Holbrook). Geology (Bascom). Greek, Literature (Wright). French, Composition (Blossom). Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren). Victorian Poets (King, G. G.). Chemistry Journal Club (Kohler	Latin, Composition (Wheeler). Eng. 19th Century Critics (Upham). Italian (Holbrook). Geology (Bascom). Greek, Demosthenes (Sanders). French, Literature (Schinz). Econs. and Politics (Williamson). Physics (Barnes). Biology (Warren). Chemistry (Kohler).

2	Elective and Minor.	Biology, Minor (Tennent). History of Christian Doctrine (Barton). Municipal Problems (Williamson).	Geology, Minor (Bascom). Biology, Minor (Tennent). History of Christian Doctrine (Barton). Municipal Problems (Williamson).	Biology, Minor (Tennent). Biology, Major (Warren). Alt. Weds.	Chemistry, Major (Getman). Geology, Major (Reeds). Biology, Major (Warren). Verse Composition (King, G. G.).	Physics, Major (Barnes). Chemistry, Major (Getman). Geology, Major (Reeds). Biology, Major (Warren).
	Post-major.	Greek, Sophocles (Sanders).	Greek, Attic Orators (Sanders). Spanish (DeHaan).	Greek, Attic Orators (Sanders). Latin, Composition. German, Reading (Jessen).	Latin, Pliny, Martial. German, Literature (Jessen). Spanish (DeHaan). French, 19th Cent. Lyric Poetry (Schinz).	Latin, Pliny, Martial. German, Literature (Jessen). French 19th Cent. Lyric Poetry (Schinz).
	Graduate.	Econs. and Politics (Parris). Metaphysics (Mason). Mathematics (Scott). Experimental Morphology (Stevens). Greek Seminary (Wright). 2-4. English Historical Grammar (Brown).	Econs. and Politics (Parris). Metaphysics (Mason). Mathematics (Scott). Old French Philology (Holbrook).	Econs. and Politics (Parris). Metaphysics (Mason). Old Provencal (Holbrook). Archaeology Sem., 2-4. English Historical Grammar (Brown).	Econs. and Politics (Williamson). Theory of Knowledge (Mason). Drama as a Reflection of Contemporary Life (Hatcher). Prehistoric Sites. Old French Philology (Holbrook).	Econs. and Politics (Williamson). Theory of Knowledge (Mason). Prehistoric Sites. Old Provencal (Holbrook). Problems of Logic (Reilly), 2-4.
3	Laboratory Work.	Physics, Minor (Huff). Chemistry, Minor (Kohler). Geol., Min., F'd W'k (Bascom). Biology, Minor (Tennent).	Psychol., Major (Ferree). Physics, Minor (Huff). Chemistry, Minor (Kohler). Geology, Minor (Bascom). **Biology, Minor (Tennent).**	Psychology, Major (Ferree). Chem., Minor (Kohler). Chem., Major (Getman). Biol., Minor (Tennent). Biol., Major (Warren). Alt. Weds.	Psychol., Major (Ferree). Physics, Major (Barnes). Chemistry, Major (Getman). Geology, Major (Reeds). Biology, Major (Warren).	Physics, Major (Barnes). Chemistry, Major (Getman). Geology, Major (Reeds). Biology, Major (Warren).
	Elective. Post-major.	Eloc., Reading of Prose (King, A. S.). Latin, Vergil. History (Smith).	Eloc., Reading of Prose (King, A. S.). Latin, Vergil. French, 18th Century Lyric Poetry (Blossom). History (Smith). Advanced Experimental Psychology (Leuba, Ferree).	Latin, Vergil. French, Teachers' Course (Blossom). History (Smith). [illegible]	Argumentation (Crandall). Descriptive Writing. Education (Leuba). Roman Elegy (Wheeler). Mid. High German. History.	Education (Leuba). Roman Elegy (Wheeler). History.
	Graduate.	Mathematics. Mid. Eng. Sem. (Brown), 3-4 30. Old Spanish Read. (DeHaan). Ethiopic (Barton). Economics Seminary (Parris). Psychology Journal Club (Leuba and Ferree).	Mathematics. Greek Sem. (Sanders). 3-4.30. Beowulf (Brown). Introd. to Teut. Philol. Essays in Spanish (DeHaan). Elem. Semitic Languages (Barton). Economics Seminary (Parris).	Mathematics (Maddison). **Mid. Eng. Sem. (Brown), 3-4.30.** German Lit. Criticism (Jessen). Hebrew (Barton). Economics Seminary (Williamson.) Systematic Psychology (Ferree). Petrology (Fieldwork) (Bascom).	Greek Sem. (Sanders), 3-4.30. Beowulf (Brown). Seminary in French Literature (Schinz). Essays in Spanish (DeHaan). Elem. Semitic Languages (Barton). Philosophy Journal Club (de Laguna and Mason), 3-4.30.	Eng. Journ. Club (Donnelly, Brown, Upham and Hatcher). 3-4.30. Alt. Weeks. Romance Languages Journ. Club (DeHaan, Schinz, Holbrook and Blossom). 3-4.30. Alt. Weeks.
4	Graduate.	Latin Seminary in Epigraphy. 4-6. Seminary in Elizabethan Literature (Hatcher). 4.30-6. Seminary in Teutonic Philology. Old French Seminary (Holbrook), 4-6. Hebrew (Barton), 4-6. Seminary in American History (Smith). Psychology Sem. (Leuba). 4-6. Mathematical Journal Club (Scott and). Alt. Weeks.	Latin Journal Club (Wheeler and), 4.30-6. Alt. Weeks. English Literature Sem. (Upham), 4.30-6. Sem. in French Language and Literature (Blossom) 4-6. **Semitic Seminary (Barton).** Historical Method and Criticism 4-6. Alt. Weeks. Seminary in English History, 4-6. Alt. Weeks. Ethical Seminary (de Laguna), 4.30-6. School Hygiene (Leuba), 4-6. Archaeological Journal Club, 4.30-6. Alt. Weeks. Mathematics, 4-6.	Latin Sem. (Wheeler), 4.30-6. Seminary in Elizabethan Literature (Hatcher), 4.30-6. Middle High German. Seminary in French Literature (Schinz), 4-6. Seminary in American History (Smith). Metaphysical Seminary (Mason), 4-6. Mathematics (Scott), 4-6.	Sanskrit, 4-6. English Literature Sem. (Upham), 4.30-6. Sem. in German Lit. (Jessen), 4-6. Italian Philology (Holbrook). Semitic Seminary (Barton). Hist. Journal Club (Smith), 4-6. Alt. Weeks. Econs. Journal Club (Williamson and Parris), 4-6. Alt. Weeks. Ethical Seminary (de Laguna), 4.30-6. Physiology (Warren).	Latin Sem. (Wheeler). 4.30-6. Middle High German. Hebrew (Barton). Economics Seminary (Williamson), 4-6. Systematic Psychology (Ferree), 4-6.
5	Graduate.			Gothic. Spanish Literature (DeHaan).	Old Italian Readings (Holbrook).	Gothic. Old French Readings (Holbrook). Spanish Philology (DeHaan).

1910-11.

	AY, JANUARY 27TH.	SATURDAY, JANUARY 28TH.
	ral; Composition, 1st year, r; English Poetry, 9–11. Minor, 9–11. Major, A, 9–11. Major; Embryology, 2–3.15.	Greek, Matriculation, 9–12. Greek, Minor; Plato, 9–11. Greek, Minor; Composition, 11–12.15. German, Matriculation, 9–12. German, Major; Literature and Reading, 9–11. French, Matriculation, 9–12. French, Minor; Literature and Reading, 9–11. History, Minor; Mediæval, 9–12. Philosophy, General, 9–11. Classical Archæology, Minor, 9-11. Mathematics, Minor, A, 9–11. Chemistry, Minor, 9–12. Meteorology, Elective, 9–11. Biology, Post-Major; Nervous System, 9–10.15. Physics, Elective, 9–10.15. Theoretical Biology, Elective, 2–3.15.
MONDAY, J	Y, FEBRUARY 3RD.	SATURDAY, FEBRUARY 4TH.

SCHEDULE OF COLLEGIATE EXAMINATIONS, FIRST SEMESTER, 1910-11.

		WEDNESDAY, JANUARY 25TH.	THURSDAY, JANUARY 26TH.	FRIDAY, JANUARY 27TH.	SATURDAY, JANUARY 28TH.
		Greek, Major; Demosthenes, 9-11. Greek, Major; Aristophanes, 11-12.15. Latin, Minor; Livy and Compositio 9-12.15. English, Minor; 19th Century Criti 9-11. French, Major; Literature and Readin 9-11. Italian, Minor, 9-11. Physics, Major, 9-12. Geology, Minor, 9-12. Biology, Major, 9-12. Pragmatism, Elective, 2-3.15.	Latin, Post-Major; Roman Elegy, 9-11. Descriptive and Narrative Writing, Elective, 9-11. Argumentation, Elective, 9-11. Middle High German, Post-Major,9-10.15. History, Post-Major, Eng. History, 9-11. Education, Elective, 9-11. Latin, Post-Major; Pliny, Martial, 2-4. Verse Composition, Elective, 2-4. German, Post-Major; Literature and Reading, 2-4. French, Post-Major; 19th Century Lyric Poetry, 2-4. Economics, Post-Major; Public Economy, 2-4. Philosophy, Post-Major; Theory of Knowledge, 2-4 Archæology, Post-Major: Prehistoric Sites, 2-4.	English, General; Composition, 1st year, 9-11. English, Minor; English Poetry, 9-11. Psychology, Minor, 9-11. Mathematics, Major, A, 9-11. Biology, Post-Major; Embryology, 2-3.15.	Greek, Matriculation, 9-12. Greek, Minor. Plato, 9-11. Greek, Minor. Composition, 11-12.15. German, Matriculation, 9-12. German, Major; Literature and Reading, 9-11. French, Matriculation, 9-12. French, Minor; Literature and Reading, 9-11. History, Minor; Mediæval, 9-12. Philosophy, General, 9-11. Classical Archæology, Minor, 9-11. Mathematics, Minor, A, 9-11. Chemistry, Minor, 9-12. Meteorology, Elective, 9-11. Biology, Post-Major; Nervous System, 9-10.15. Physics, Elective, 9-10.15 Theoretical Biology, Elective, 2-3.15
MONDAY, JANUARY 30TH.	TUESDAY, JANUARY 31ST.	WEDNESDAY, FEBRUARY 1ST.	THURSDAY, FEBRUARY 2ND.	FRIDAY, FEBRUARY 3RD.	SATURDAY, FEBRUARY 4TH.
Major; Literature, 9-11. Horace, 9-11. Minor Anglo-Saxon, 9-11. ective, Victorian Poets, 9-11. Major, Reading and Composi- s of Italian Literature, Elec- 11. and Politics, Major, 9-12. Post-Major, Sophocles, 2-3.15. Post-Major; Composition, 2-3.15.	Latin, Major; Tacitus, 9-11. English, General; Literature, 2nd year, 9-11. German, Minor; Reading and Grammar, 9-11. Spanish, Minor, 9-12. Comparative Literature, Minor; The Epic, 9-11. History, Major; Modern, 9-12. Philosophy, Major, 9-11. Fundamental Theorems of Mathematics, Elective, 9-10.15. Physics, Post-Major, 9-12. Geology, Major, 9-12. Biology, Minor, 9-12. French, Post-Major; Teachers' Course, 2-3.15. Chemistry, Post-Major, 2-5.	Greek, Post-Major; Attic Orators, 9-11. Spanish, Post-Major, 9-11. History of Christian Doctrine, Electiv 9-11. Economics, Post-Major; Utilitarian Theory, 9-11. Municipal Problems, Elective, 9-11. Philosophy, Post-Major; Metaphysics, 9-11. Mathematics, Post-Major; Geometry, 9-11. Latin, Post-Major; Vergil, 2-4. Elocution, Elective; Reading of Prose, 2-3.15. French, Post-Major; 18th Century Lyric Poetry,2-3.15. History, Post-Major; American Constitutional, 2-4.	English, General; Literature, 1st yr., 9-11. English, Minor; Mid. Eng. Romances, 9-11. English, Major; Classical and Romantic Prose, 9-11. Italian, Major, 9-11. Spanish, Major, 9-12. Oriental History, Minor, 9-12. Economics and Politics, Minor, 9-12. Philosophy, Minor, 9-11. Mathematics, Major, B, 9-11. Physics, Minor, 9-12. Chemistry, Major, 9-12. Geology, Post-Major, 9-11. Experimental Psychology, Post-Major, 2-4. Mathematics, Post-Major, Analysis, 2-4.	Greek, Minor; Homer, 9-11. German, Major; Prose Composition, 9-10.15. German, Major; Faust, 10.30-11.45. French, Minor; Reading and Composition, 9-11. New Testament Canon, Elective, 9-10.15. Psychology, General, 9-11. Mathematics, Minor, B, 9-11. Gothic Architecture, Minor, 9-11. Biology, Post-Major, 2-3.15.	Latin, Major. Literature, 9-11. English, General; Composition, 2nd year, 9-11. German, Minor; Literature, 9-11. German, Syntax and Composition, Elective, 9-11. Comparative Literature, Minor; Neo-Classicism, 9-11 Logic, Elective, 9-10.15. Psychology, Major, 9-11. Applied Mathematics, Elective, 9-11.

SCHEDULE OF MATRICULATION EXAMINATIONS, JANUARY-FEBRUARY, 1911.

	TUESDAY, JANUARY 31ST	WEDNESDAY, FEBRUARY 1ST.	THURSDAY, FEBRUARY 2ND.	FRIDAY, FEBRUARY 3RD.	SATURDAY, FEBRUARY 4TH.
	English Composition, 9.30-12.30. English Grammar, etc., 2.30-4.30. Greek Poets, 4.45-5.45.	Algebra, 9.30-12. Latin Poets, 2.30-4. Greek Composition, 4.15-5.15.	French, 9.30-12.30. History, 2.30-4. Greek Prose Authors, 4.15-5.15.	Geometry, 9.30-12. Latin Composition, 2.30-4. Science, 4.15-5.45.	German, 9.30-12.30. Latin Prose Authors, 2.30-4.30.
MONDAY, FEBRUARY 6TH.	TUESDAY, FEBRUARY 7TH.				
Latin, Section A, 9.30-12.30. metry, 2.30-4.30.	Minor Latin, Section B, 9.30-12.30. Solid Geometry, 2.30-4.30.				

SCHEDULE OF COLLEGIATE EXAMINATIONS, SECOND SEMESTER, 1910-11.

		WEDNESDAY, MAY 24TH.	THURSDAY, MAY 25TH.	FRIDAY, MAY 26TH.	SATURDAY, MAY 27TH.
		Latin, Major; Literature, 9-11. English, General; Composition, 2nd year, 9-11. German, Minor; Literature, 9-11. German Syntax and Composition, Elective, 9-11. Comparative Literature, Minor; Neo-Classicism, 9-11. Philosophy of Nature, Elective, 9-10.15. Pragmatism, Elective, 10.30-11.45. Psychology, Major, 9-11. Applied Mathematics, Elective, 9-11. Biology, Minor; Embryology, 9-10.	Latin, Post-Major; Roman Elegy, 9-11. Descriptive and Narrative Writing, Elective, 9-11. Argumentation, Elective, 9-11. Middle High German, Post-Major,9-10.15. History, Post-Major; English, 9-11. Education, Elective, 9-11. Latin, Post-Major; Seneca and Lucan, 2-4. Verse Composition, Elective, 2-4. German, Post-Major; Literature and Reading, 2-4. French, Post-Major; 19th Century Lyric Poetry, 2-4. Economics, Post-Major; Public Economy, 2-4. Philosophy, Post-Major; Theory of Knowledge, 2-4. Archæology, Post-Major; Prehistoric Sites, 2-4.	Greek, Major; Thucydides, 9-11. Greek, Major; Sophocles, 11-12.15. Latin, Minor. Cicero and Prose Composition, 9-12.15. English, Minor; 19th Century Critics, 9-11. French, Major; Literature and Reading, 9-11. Italian, Minor, 9-11. Physics, Major, 9-12. Geology, Minor, 9-12. Biology, Major, Zoology, 9-11.	English, General; Composition, 1st year, 9-11. English, Minor; English Poetry, 9-11 Economics and Politics, Minor, 9-12 Psychology, Minor, 9-11. Mathematics, Major, A, 9-11. Chemistry, Major, 9-12. Mathematics, Post-Major; Differential Equations, 2-4. Biology, Post-Major; Embryology, 2-3.15.
MONDAY, MAY 29TH.	TUESDAY, MAY 30TH.	WEDNESDAY, MAY 31ST.	THURSDAY, JUNE 1ST.	FRIDAY, JUNE 2ND	SATURDAY, JUNE 3RD.
Greek, Matriculation, 9-10.30. Greek, Minor; Euripides, 9-11. Greek, Minor; Composition, 11-12.15. German, Matriculation, 9-10.30. German, Major; Literature and Reading, 9-11. French, Matriculation, 9-10.30. French, Minor; Literature and Reading, 9-11. History, Minor; Mediæval, 9-12. Philosophy, General, 9-11. Classical Archæology, Minor, 9-11. Mathematics, Minor, A, 9-11. Chemistry, Minor, 9-12. Oceanography, Elective, 9-11. Biology, Post-Major; Nervous System, 9-10.15. Physics, Elective, 9-10.15. Theoretical Biology, Elective, 2-3.15.	Greek, Major; Literature, 9-11. Latin, Minor; Horace, 9-11. English, Minor, Anglo-Saxon, 9-11. English, Elective; Victorian Poets, 9-11 French, Major; Reading and Composition, 9-11. Masterpieces of Italian Literature, Elective, 9-11. Economics and Politics, Major, 9-12. Biology, Major; Comparative Anatomy, 9-11. Greek, Post-Major; Bacchylides, 2-3.15. Latin, Post-Major; Composition, 2-3.15.	Greek, Post-Major; Thucydides, 9-11. Spanish, Post-Major, 9-11. History of Christian Doctrine, Elective, 9-11. Economics, Post-Major; Utilitarian Theory, 9-11. Municipal Problems, Elective, 9-11. Philosophy, Post-Major; Metaphysics, 9-11. Mathematics,Post-Major; Geometry, 9-11. Latin, Post-Major; Prose of the Empire, 2-4. Elocution, Elective; Reading of Prose 2-3.15. French, Post-Major; 18th Century Lyric Poetry, 2-3.15 History, Post-Major; American Constitutional, 2-4.	Latin, Major; Comedy, 9-11. English, General, Literature, 2nd year, 9-11. German, Minor; Reading and Grammar, 9-11. Spanish, Minor, 9-12. History, Major; Modern, 9-12. Philosophy, Major, 9-11. Fundamental Theorems of Mathematics, Elective, 9-10.15. Physics, Post-Major, 9-12. Geology, Major, 9-12. Biology, Minor; Vertebrates, 9-11. French, Post-Major; Teachers' Course, 2-3.15. Chemistry, Post-Major, 2-5.	English, General; Literature, 1st year, 9-11. English, Minor; Mid. Eng. Romances, 9-11. English, Major; Classical and Romantic Prose, 9-11. Italian, Major, 9-11. Spanish, Major, 9-12. Oriental History, Minor, 9-12. Philosophy, Minor, 9-11. Mathematics, Major, B, 9-11. Physics, Minor, 9-12. Geology, Post-Major, 9-11. Experimental Psychology, Post-Major, 2-4.	Greek, Minor; Homer, 9-11. German, Major; Prose Composition, 9-10.15. German, Major, Faust, 10.30-11.45. French, Minor; Reading and Composition, 9-11. New Testament Canon, Elective, 9-10.15 Psychology, General, 9-11. Gothic Architecture, Minor, 9-11. Mathematics, Minor, B, 9-11. Biology, Post-Major, 2-3.15.

SCHEDULE OF MATRICULATION EXAMINATIONS, SPRING, 1911.

			THURSDAY, JUNE 1ST.	FRIDAY, JUNE 2ND.	SATURDAY, JUNE 3RD.
			Minor Latin, Section A, 9.30-12.30. Trigonometry, 9.30-11.30. Minor Latin, Section B, 2.30-5.30. Solid Geometry, 2.30-4.30.	English Composition, 9.30-12.30. English Grammar, etc., 2.30-4.30 Greek Poets, 4.45-5.45.	Algebra, 9.30-12. Latin Poets, 2.30-4. Greek Composition, 4.15-5.15.
MONDAY, JUNE 5TH.	TUESDAY, JUNE 6TH.	WEDNESDAY, JUNE 7TH.			
French, 9.30-12.30. History, 2.30-4. Greek Prose Authors, 4.15-5.15.	Geometry, 9.30-12. Latin Composition, 2.30-4. Science, 4.15-5.45.	German, 9.30-12.30. Latin Prose Authors, 2.30-4.30.			

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it; on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

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~~CALENDAR~~

UNDERGRADUATE AND GRADUATE COURSES

1910 - 1911

Catalog

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JUN 19 1911
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BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College.
May, 1911.

Volume IV. Part 3.

BRYN MAWR COLLEGE

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UNDERGRADUATE AND GRADUATE COURSES

PRESIDENT'S OFFICE

1911

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BRYN MAWR COLLEGE CALENDAR.

1911.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence, Plans and Descriptions.

BRYN MAWR COLLEGE.

College Calendar.

1911.

JANUARY.

Su.	M.	Tu.	W.	Th.	Fr.	Sa.
1	2	3	4	5	6	7
8	9	10	11	12	13	14
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OCTOBER.

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NOVEMBER.

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DECEMBER.

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1912.

JANUARY.

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FEBRUARY.

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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 6th, 1912.

Academic Year, 1911-12.

September 26th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the twenty-seventh academic year begins at a quarter to nine o'clock.
October 5th.	Examinations for advanced standing begin.
October 21st	Senior oral examination in French.
October 26th.	Examinations for advanced standing end.
October 28th.	Senior oral examination in German.
November 13th.	Collegiate and matriculation condition examinations begin.
November 21st.	Collegiate and matriculation condition examinations end.
November 22nd.	Thanksgiving vacation begins at one o'clock.
November 27th.	Thanksgiving vacation ends at nine o'clock.
December 2nd.	Senior oral examinations in French and German.
December 20th.	Christmas vacation begins at one o'clock.
January 4th.	Christmas vacation ends at nine o'clock.
January 24th.	Half-yearly collegiate examinations begin.
January 30th.	Matriculation examinations begin.
February 3rd.	Collegiate examinations end. Annual meeting of the Alumnæ Association.
February 5th.	Vacation.
February 6th.	Vacation. Matriculation examinations end.
February 7th.	The work of the second semester begins at a quarter to nine o'clock.
February 8th.	Examinations for advanced standing begin.
February 29th.	Examinations for advanced standing end.
March 16th.	Senior oral examinations in French and German.
March 25th.	Collegiate and matriculation condition examinations begin.
March 27th.	Mid-semester examinations in matriculation Greek, German and French.
April 2nd.	Collegiate and matriculation condition examinations end.
April 3rd.	Easter vacation begins at one o'clock.
April 11th.	Easter vacation ends at nine o'clock.
May 11th.	Senior oral examinations in French and German.
May 21st.	Vacation.
May 22nd.	Collegiate examinations begin.
May 30th.	Matriculation examinations begin.

June 1st.	Collegiate examinations end.
June 5th.	Matriculation examinations end.
June 6th.	Conferring of degrees and close of twenty-seventh academic year.

ACADEMIC YEAR 1912-13.

September 24th.	Matriculation examinations begin.
September 30th.	Registration of students. Halls of Residence open for students at three p. m.
October 1st.	Registration of students. Matriculation examinations end.
October 2nd.	The work of the twenty-eighth academic year begins at a quarter to nine o'clock.

EXAMINATIONS FOR MATRICULATION.

Examinations for matriculation are held during the week preceding the opening of each academic year, during the last week but one of each academic year, and during the last week of the first semester of each year.

Spring, 1911.

Thursday, June 1.

Minor Latin, A	9½—12½
Trigonometry	9½—11½
Minor Latin, B,	2½—5½
Solid Geometry,	2½—4½

Friday, June 2.

English Composition	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Saturday, June 3.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Monday, June 5.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Tuesday, June 6.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Wednesday, June 7.

German	9½—12½
Latin Prose Authors,	2½—4½

Autumn, 1911.

Tuesday, September 26.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, September 27.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, September 28.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, September 29.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, September 30.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, October 2.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, October 3.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Winter, 1912.

Tuesday, January 30.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, January 31.

Algebra	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition	4¼—5¼

Thursday, February 1.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, February 2.

Geometry	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, February 3.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, February 5.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, February 6.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Spring, 1912.

Thursday, May 30.

Minor Latin, A, ...	9½—12½
Trigonometry, ...	9½—11½
Minor Latin, B, ...	2½—5½
Solid Geometry, ...	2½—4½

Friday, May 31.

English Composition, . .	9½—12½
English Grammar, etc., . . .	2½—4½
Greek Poets, ...	4¾—5¾

Saturday, June 1.

Algebra, ...	9½—12
Latin Poets, ...	2½—4
Greek Grammar and Composition, ...	4¼—5¼

Monday, June 3.

French, ...	9½—12½
History, ...	2½—4
Greek Prose Authors, . . .	4¼—5¼

Tuesday, June 4.

Geometry, ...	9½—12
Latin Composition, ...	2½—4
Science, ...	4¼—5¾

Wednesday, June 5

German, ...	9½—12½
Latin Prose Authors, . . .	2½—4½

Autumn, 1912.

Tuesday, September 24.

English Composition, . . .	9½—12½
English Grammar, etc., . .	2½—4½
Greek Poets, ...	4¾—5¾

Wednesday, September 25.

Algebra, ...	9½—12
Latin Poets, ...	2½—4
Greek Grammar and Composition, ...	4¼—5¼

Thursday, September 26.

French, ...	9½—12½
History, ...	2½—4
Greek Prose Authors, . .	4¼—5¼

Friday, September 27.

Geometry, ...	9½—12
Latin Composition, . . .	2½—4
Science, ...	4¼—5¾

Saturday, September 28.

German, ...	9½—12½
Latin Prose Authors, . . .	2½—4½

Monday, September 30.

Minor Latin, A, ...	9½—12½
Trigonometry, ...	2½—4½

Tuesday, October 1.

Minor Latin, B, ...	9½—12½
Solid Geometry, ...	2½—4½

Winter, 1913.

Tuesday, January 28.

English Composition, . .	9½—12½
English Grammar, etc., . .	2½—4½
Greek Poets	4¾—5¾

Wednesday, January 29.

Algebra, ...	9½—12
Latin Poets, ...	2½—4
Greek Grammar and Composition, ...	4¼—5¼

Thursday, January 30.

French, ...	9½—12½
History, ...	2½—4
Greek Prose Authors, . . .	4¼—5¼

Friday, January 31.

Geometry, ...	9½—12
Latin Composition, ...	2½—4
Science, ...	4¼—5¾

Saturday, February 1.

German, ...	9½—12½
Latin Prose Authors, . . .	2½—4½

Monday, February 3.

Minor Latin, A, ...	9½—12½
Trigonometry, ...	2½—4½

Tuesday, February 4.

Minor Latin, B, ...	9½—12½
Solid Geometry, ...	2½—4½

Corporation.

Howard Comfort,
President.

Asa S. Wing,
Treasurer.

Edward Bettle, Jr.,
Secretary.

Albert K. Smiley.
Edward Bettle, Jr.
Howard Comfort.
Justus C. Strawbridge.*
James Wood.
Rufus M. Jones.
Alexander C. Wood.
M. Carey Thomas.
Francis R. Cope, Jr.
Asa S. Wing.
Charles J. Rhoads.
Thomas Raeburn White.
Frederic H. Strawbridge.

Board of Directors.

Howard Comfort,
Chairman.

Asa S. Wing,
Treasurer.

Edward Bettle, Jr.,
Secretary.

Albert K. Smiley.
Edward Bettle, Jr.
Howard Comfort.
Justus C. Strawbridge.*
James Wood.
Rufus M. Jones.
Alexander C. Wood.
M. Carey Thomas.
Francis R. Cope, Jr.
Mary E. Garrett.
Elizabeth Butler Kirkbride.
Asa S. Wing.
Charles J. Rhoads.
Thomas Raeburn White.
Frederic H. Strawbridge.
Anna Rhoads Ladd.

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* Died, March 27th, 1911.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1910-11.

President,

M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.

Dean of the College,

MARION REILLY, A.B.
Office: Taylor Hall.

Recording Dean and Assistant to the President,

ISABEL MADDISON, B.SC., PH.D.
Office: Taylor Hall.

Secretary,

ANNA BELL LAWTHER, A.B. Office: Taylor Hall.

Recording Secretary,

EDITH ORLADY, A.B. Office: Taylor Hall.

Comptroller,

JAMES G. FORRESTER, M.A. Office: Taylor Hall.

Business Manager,

CHARLES A. WORDEN, C.E. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.
ALICE ANTHONY, A.B., Denbigh Hall.
HARRIET JEAN CRAWFORD, A.B., Rockefeller Hall.
BERTHA MARGARET LAWS, A.B., Pembroke Hall.
HELEN REMINGTON CALDER, Radnor Hall.
ETHEL HARPER, A.B., Merion Hall.

Librarian.

MARY LETITIA JONES, B.L., B.L.S. Office: The Library.

Director of Athletics and Gymnastics.

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Junior Bursar,

MARGARET A. PROCTOR, B.A. Office: Rockefeller Hall.

Physician in Chief of the College,

THOMAS F. BRANSON, M.D. Office hours, daily, 8 to 9.30 and 2 to 3, Rosemont, Pa.

Visiting Physician of the College,

ANNE HEATH THOMAS, M.D. Office hours, daily, 1.30 to 3, 132 South 18th Street, Philadelphia; Merion Hall, Bryn Mawr College, daily, except Sunday, 4 to 6.

Examining Oculist,

HELEN MURPHY, M.D. Office hours, daily, 2 to 4, 1433 Spruce Street, Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1910-11.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.SC., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; Lecturer in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902-03.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871-72; University of Leipsic, 1872-73; University of Bonn, 1873-79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881-91; Lecturer in Medical Department of the University of the City of New York, 1885-86; Lecturer in Physiology, University of Michigan, 1889.

ELMER P. KOHLER, PH.D., *Professor of Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889-91; Fellow in Chemistry, Johns Hopkins University, 1891-92; Ph.D., Johns Hopkins University, 1892.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.SC., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893, Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England, Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education and Director of the Psychological Laboratory.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

Fonger DeHaan, Ph.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

Albert Schinz, Ph.D., *Associate Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

Arthur Leslie Wheeler, Ph.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

Henry Nevill Sanders, Ph.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

William Bashford Huff, Ph.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

William Roy Smith,* Ph.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1908; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

Lucy Martin Donnelly, A.B., *Associate Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

Karl Detlev Jessen, Ph.D., *Associate Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

Tenney Frank,* Ph.D., *Associate Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

David Hilt Tennent, Ph.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

Nettie Maria Stevens, Ph.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903; Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897, 1898, 1899, and 1900. Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Holder of the President's European Fellowship, 1901-02; Student, Zoological Station, Naples, and University of Würzburg, 1901-02; 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03, and Research Fellow in Biology, 1903-04; Carnegie Research Assistant, 1904-05; Alice Freeman Palmer Research Fellow, 1908-09.

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*Granted leave of absence for the year 1910-11.

Carleton Fairchild Brown, Ph.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

James Barnes, Ph.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

Richard Thayer Holbrook, Ph.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecoles des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

Theodore de Leo de Laguna, Ph.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

Charles Clarence Williamson, Ph.D., *Associate in Economics and Politics.*

A.B., Western Reserve University, 1904; Ph.D., Columbia University, 1907. Assistant in Economics and Graduate Student, Western Reserve University, First Semester, 1904-05; Scholar in Political Economy, University of Wisconsin, 1904-05; Graduate Student, University of Wisconsin, 1905-06; University Fellow in Political Economy, Columbia University, 1906-07; Research Assistant of the Carnegie Institution, 1905-07.

Marion Reilly, A.B., *Dean of the College.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907.

Marion Parris, Ph.D., *Associate in Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

Frederick Hutton Getman, Ph.D., *Associate in Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

M. Phillips Mason, Ph.D., *Associate in Philosophy.*

A.B., Harvard University, 1899, A.M., 1900, and Ph.D., 1904. Corpus Christi College, University of Oxford, 1899-1900; Universities of Heidelberg and Berlin, 1900-01; University of Marburg, 1901-02; Sorbonne and Collège de France, 1902; Harvard University, 1902-04; John Harvard Fellow of Harvard University, 1902-03; Instructor in Philosophy, Princeton University, 1905-07.

Clarence Errol Ferree, Ph.D., *Associate in Experimental Psychology.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

Orie Latham Hatcher, Ph.D., *Associate in Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

Alfred Horatio Upham, Ph.D., *Associate Professor of English Literature.*

A.B., Miami University, 1897, and A.M., 1898; A.M., Harvard University, 1901; Ph.D., Columbia University, 1908. Instructor in Latin and Greek, Miami University, 1897-1900; Graduate Student, Harvard University, 1900-02; Professor of English, Agricultural College of Utah, 1902-05; Columbia University Fellow in Comparative Literature, 1905-06; Associate Professor of English, Miami University, 1906-08, and Professor of English and Head of the Department, 1908-10.

E. Raymond Turner, Ph.D., *Associate in History.*

A.B., St. John's College, 1904; Ph.D., Johns Hopkins University, 1910. Fellow, Johns Hopkins University, 1909-10.

Chester Albert Reeds, Ph.D., *Associate in Geology.*

B.S., University of Oklahoma, 1905; M.S., Yale University, 1907, and Ph.D., 1910. Graduate Scholar, Yale University, 1905-06; and Fellow, 1906-08; Field Assistant, U. S. Geological Survey, 1903-06; Instructor in Mineralogy and Petrology, University of Oklahoma, February to June, 1908.

Agathe Lasch, Ph.D., *Associate in Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi,* Karlsruhe, 1910.

Samuel Arthur King, M.A., *Non-Resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

Frederick A. Blossom, A.B., *Lecturer in French.*

A.B., Amherst College, 1898; Johns Hopkins University, 1903-04, 1909. Student of Romance Languages in Paris and Grenoble, 1905-08.

Georgiana Goddard King, A.M., *Reader in English and Lecturer in Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

F. Warren Wright, Ph.D., *Lecturer in Latin.*

A.B., Wesleyan University, 1906; A.M., Harvard University, 1908; Ph.D., Princeton University, 1910. Student, Wesleyan University, 1906-07; Harvard University, 1907-08; Fellow in Classics, Princeton University, 1908-10.

Paul Leland Haworth, Ph.D., *Lecturer in History.*

A.B., University of Indiana, 1899, and A.M., 1901. Ph.D., Columbia University, 1906. Teacher of History in the Michigan Northern State Normal School, 1901-02; Tutor in History, Teachers College, Columbia University, 1904-06; Lecturer in History, Columbia University, Semester I, 1906-07.

Harry Bateman, M.A., *Lecturer in Mathematics.*

Manchester, England. M.A., University of Cambridge; Graduate in Honours (Senior Wrangler, bracketed) in the Cambridge Mathematical Tripos, 1903, and First Division, First Class, Mathematical Tripos, Part II, 1904; Smith's Prizeman, 1905; Fellow of Trinity College, Cambridge; Student in Göttingen and Paris, 1905-06; Lecturer in Mathematics, University of Liverpool, 1906-07; Reader in Mathematical Physics, Manchester University, 1907-10.

C. Leonard Woolley, M.A., *Non-Resident Lecturer in Egyptian Art.*

Danbury, Essex, England. B.A., University of Oxford, 1903, and M.A., 1907. Open Scholar of New College, Oxford, 1899. Litterae Humaniores, 1903; Theological School, 1904. Assistant Keeper of the Ashmolean Museum, Oxford, 1905; Assistant Curator in Egyptian Department, University Museum, Philadelphia, 1907; conducting excavations in Nubia, 1907-10.

Samuel Moore, A.M., *Lecturer (elect) in English Philology.*

A.B., Princeton University, 1899; A.M., 1908. Instructor in English, University of Kansas, 1907-08; Townsend Scholar, Harvard University, 1909-10; Weld Scholar in English, Harvard University, 1910-11.

HARRIET RANDOLPH,* PH.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

REGINA KATHARINE CRANDALL, PH.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

LILLIE DEMING LOSHE, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1899; A.M., Columbia University, 1903, and Ph.D., 1908. Graduate Student, Barnard College, 1899-1900; Columbia University, 1901-04, First Semester, 1904-05, and 1905-07.

EMMA HAEBERLI, PH.D., *Reader in Elementary French.*

Berne, Switzerland. Ph.D., University of Berne, 1903. Graduate Student, University of Berne, and Tutor in French and German, 1904-05, 1906-09; Instructor in French and German, Virginia College, Roanoke, Va., 1909-10.

MARTHA PLAISTED,† A.B., *Reader in English.*

A.B., Bryn Mawr College, 1908. Instructor in English, Sweet Briar College, 1908-10.

MARY JEFFERS, A.M., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1897-1907; Student, University of Bonn, summer of 1895; Private Tutor, 1892-1911; Supervisor of Greek, Latin, German and History Departments, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07.

MARGARET GRACE SKINNER, M.A., *Reader in English.*

Bedford, England. Girton College, University of Cambridge, England, 1902-06; Graduate in Honours, Modern and Mediæval Languages Tripos, Part I, 1905; Part II, 1906. M.A., Trinity College, Dublin, 1908. Teacher of English, Rosemary Hall, Greenwich, Conn., 1907-10.

FRANCES D'ARCY THOMPSON, M.A., *Reader in Latin.*

Dublin, Ireland. Girton College, University of Cambridge, England, 1903-06; Graduate in Honours, First Class, Cambridge Classical Tripos, 1906; M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress, High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10.

EDNA ASTON SHEARER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1904; Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

LILY ROSS TAYLOR, A.B., *Reader and Demonstrator in the History of Art and Classical Archæology.*

A.B., University of Wisconsin, 1906. Scholar in Latin, Bryn Mawr College, 1906-07; Fellow in Latin, 1907-08; Reader in Latin and Graduate Student, 1908-09; University of Chicago, Summer Quarter, 1907; University of Bonn, Summer Semester, 1909; American School of Classical Studies in Rome, 1909-10.

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* Granted leave of absence from December, 1910, to June, 1911.

† Resigned March 1st, 1911, and succeeded by Elizabeth Theresa Daly.

ELLWOOD AUSTIN WELDEN,* **PH.D.**, *Non-Resident Reader in Italian.*

B.S., University of Pennsylvania, 1903, and Ph.D., 1906. Harrison Scholar in Indo-European Philology, University of Pennsylvania, 1903-04; Fellow, 1904-06; University of Berlin, Summer Semester, 1905; Shattuck Scholar in Indic Philology, Harvard University, 1906-07; Student in Paris and Bologna, 1909-10.

GERTRUDE LANGDEN HERITAGE, A.M., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student in Chemistry, Bryn Mawr College, 1896-97, 1898-1900, and Graduate Student in Mathematics and Chemistry, 1897-98.

MABEL KATHRYN FREHAFER, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10.

ABIGAIL CAMP DIMON, A.M., *Demonstrator in Biology.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09.

ANNA BELL LAWTHER, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1897. Assistant Bursar, Bryn Mawr College, 1898-1900; Graduate Student, Bryn Mawr College, 1898-99, 1904-05; Warden of Merion Hall, 1904-05.

EDITH ORLADY, A.B., *Recording Secretary.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09.

MARY LETITIA JONES, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1892. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892-97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898-99, and Librarian, 1900-05.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

ELIZABETH LAWRENCE GRAY, *Assistant Director of Athletics and Gymnastics.*

Graduate, Sargent Normal School of Physical Education, Boston, Mass., 1908. Student, Gilbert Summer Normal School of Classic Dancing, 1908; Instructor in Gymnastics, Playgrounds, Cambridge, Mass., Summer, 1908, 1909.

MARY ELLEN BAKER, A.B., B.L.S., *Head Cataloguer.*

A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908. Assistant in Latin, Missouri Valley College, 1901-05, and Librarian, 1902-06. Illinois State Library School, 1906-07; New York State Library School, 1907-08.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

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* Resigned February, 1911; succeeded by J. Cherubini-Chiarini.

Mary Warren Taylor, *Secretary to the Director of Athletics and Gymnastics.*

Thomas F. Branson, M.D., *Physician in Chief of the College.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

Anne Heath Thomas, A.M., M.D., *Visiting Physician of the College.*

A.B., Bryn Mawr College, 1897, and A.M., 1898. M.D., Woman's Medical College of Pennsylvania, 1905. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1897-98; Teacher of Chemistry in the State Normal School, Trenton, N. J., 1898-1902; Student, Woman's Medical College of Pennsylvania, 1902-05; Interne, Woman's Hospital of Philadelphia, 1905-06; Resident at the Evening Dispensary for Working Women and Girls, Baltimore, Md., and Graduate Student in Medicine, Johns Hopkins University, 1906-07; Physician, Registrar and Assistant in Clinic in the Woman's Hospital, Philadelphia, and Assistant in Clinic in the Hospital of the Woman's Medical College of Pennsylvania, 1907-08; Instructor in Therapeutics and Physical Diagnosis, Woman's Medical College, and Assistant Visiting Physician, Bryn Mawr College, 1908-09.

Helen Murphy, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants in special cases:

Ella B. Everitt, M.D., 1807 Spruce Street, Philadelphia, *Consultant Gynecologist.*

John H. Musser, M.D., 1927 Chestnut Street, Philadelphia, *Consultant Physician.*

George de Schweinitz, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

Robert G. Le Conte, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*

Francis R. Packard, M.D., 304 S. Nineteenth Street, Philadelphia. *Consultant Aurist.*

James K. Young, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopædist.*

The Academic Committee of the Alumnæ.

Louise Brownell Saunders, A.B. (Mrs. Arthur Percy Saunders). *Chairman,* Clinton, N. Y.

Helen J. Robins, A.B. (*Secretary*), 23 *Gowen Avenue,* Mt. Airy, Philadelphia.

Louise Parke Atherton Dickey, A.B. (Mrs. Samuel Dickey), 10 *Chalmers Place,* Chicago, Ill.

Elizabeth Winsor Pearson, A.B., (Mrs. Henry Greenleaf Pearson), Dudley Road, Newton Centre, Mass.

Susan Fowler, A.B. (*ex-officio*), 420 *West* 118*th Street,* New York City.

Bertha Haven Putnam, Ph.D., *Mt. Holyoke College*, South Hadley, Mass.

Gertrude Elizabeth Dietrich Smith, A.B. (Mrs. Herbert Knox Smith), The Highlands, Washington, D. C.

Nellie Neilson, Ph.D., *Mt. Holyoke College*, South Hadley, Mass.

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

New York City: Miss Emily Redmond Cross, 6 *Washington Square.*

Philadelphia: Mrs. Adolph E. Borie, 618 *S. Washington Square.*

Baltimore: Mrs. Anthony Morris Carey, 1004 *Cathedral Street.*

Pittsburgh, Pa.: Mrs. John Bruce Orr, 628 *Maple Lane, Sewickley, Pa.*

Scranton, Pa.: Miss Alice Belin.

Syracuse, N. Y.: Mrs. Frederick A. Saunders, 504 *Ostrom Avenue.*

Utica, N. Y.: Mrs. Arthur Percy Saunders, *Clinton, N. Y.*

New Haven, Conn.: Miss Elizabeth Day Seymour, 141 *Linden Street.*

Boston, Mass.: Mrs. Ingersoll Bowditch, 19 *Buckingham Street, Cambridge.*

Fall River, Mass.: Mrs. Randall Nelson Durfee, 435 *Cherry Street.*

Washington, D. C.: Mrs. Herbert Knox Smith, *The Highlands.*

Chicago, Ill.: Miss Ethel Eugenie Hooper, 1210 *Astor Street.*

Indianapolis, Ind.: Mrs. Frank Nichols Lewis, 4 *West St. Joe Street.*

Madison, Wis.: Mrs. Moses Stephen Slaughter, 633 *Francis Street.*

Minneapolis, Minn.: Miss Margaret Washburn, 2218 *First Avenue, South.*

St. Louis, Mo.: Mrs. George Gellhorn, 3871 *Washington Avenue.*

Portland, Ore.: Mrs. Henry Minor Esterly, 376 *North 31st Street.*

Los Angeles, Cal.: Miss Elizabeth Dana Marble, 3201 *Figueroa Street.*

Salt Lake City, Utah: Miss Kate Williams, 177 *13th East Street.*

England: The Hon. Mrs. Bertrand Russell, *Bagley Wood, Oxford.*

STUDENTS.

Fellows and Graduate Students, Academic Year, 1910-11.

BLEY, HELEN MÜLLER, ... *Bryn Mawr European Fellow.*

Philadelphia. A.B., Bryn Mawr College, 1910. Student, University of Munich, 1910-11.

BONTECOU, MARGARET, ... *Bryn Mawr European Fellow.*

Orange, N. J. A.B., Bryn Mawr College, 1909. Student, Universities of Munich and Oxford, 1910-11.

LOWENGRUND, HELEN MOSS, ... *Bryn Mawr European Fellow.*

A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar in Latin, 1906-07, and in English, 1907-08. Research Student in British Museum, 1910-11.

SCHENCK, EUNICE MORGAN, ... *President's European Fellow.*

Philadelphia. A.B., Bryn Mawr College, 1907. Graduate Student, Bryn Mawr College, 1908-09, and Scholar in French, 1909-10; Student, University of Paris, 1910-11.

HARRISON, JANE ANNETTA,
Ottendorfer Memorial Research Fellow in Teutonic Philology.

La Plata, Mo. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Graduate Student, University of Missouri, 1908-09; Fellow in German, Bryn Mawr College, 1909-10; Student, University of Berlin, 1910-11.

MACLEOD, ANNIE LOUISE, ... *Research Fellow in Chemistry.*

Grace Bay, Nova Scotia. A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Fellow in Chemistry, Bryn Mawr College, 1909-10.

COULTER, CORNELIA CATLIN, ... *Fellow in Greek.*

Ferguson, Mo. A.B., Washington University, 1907. Graduate Scholar in Latin, Bryn Mawr College, 1907-08, and Fellow in Latin, 1909-10. Holder of the President's European Fellowship and Student, University of Munich, 1908-09.

FOSTER, ELIZABETH ANDROS, ... *Fellow in Latin.*

Sharon, Mass. A.B., Bryn Mawr College, 1908, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin and Graduate Student, 1909-10.

SPALDING, MARY CAROLINE, ... *Fellow in English.*

Bryn Mawr, Pa. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1906-10.

KING, MARIE SEWARD, ... *Fellow in German.*

Olivet, Mich. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09; Graduate Student, Bryn Mawr College, 1909-10, and Substitute Reader in French, March to June, 1910.

DAVIS, SARAH WHITE, ... *Fellow in History.*

Lapeer, Mich. A.B., Mt. Holyoke College, 1909. Graduate Student, Mt. Holyoke College, 1909-10.

RAND, MARIE GERTRUDE, ... *Fellow in Psychology.*

Brooklyn, New York City. A.B., Cornell University, 1908. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, and Fellow in Philosophy, 1909-10.

BOWERMAN, HELEN COX, ... *Fellow in Archæology.*

Point Pleasant, N. J. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archæology, Bryn Mawr College, 1908-09, and Fellow in Archæology, 1909-10; Studying in Rome, 1910-11.

Brusstar, Margaret Elizabeth, ...Fellow in Mathematics.

Philadelphia. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10; Graduate Scholar in Mathematics, Bryn Mawr College, 1907-08, and Graduate Student, 1908-10.

Mathews, Irene Maud, ...*Fellow in Physics.*

Sheffield, England. Girton College, University of Cambridge, England, 1906-10. First Class Honours, Cambridge Mathematical Tripos, Part I, 1909, and Part II, 1910.

Graham, Minnie Almira, ...*Fellow in Chemistry.*

Lockport, N. Y. A.B., Mt. Holyoke College, 1900, and A.M., University of Michigan, 1906. Fellow in Chemistry, Bryn Mawr College, 1906-07; in charge of Departments of Physics and Chemistry, Lake Erie College, 1907-10.

Pinney, Mary Edith, ...*Fellow in Biology.*

Wilson, Kan. A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoölogy, Kansas State University, 1909-10, and High School Instructor, Alma, Kan., 1908-09.

Ashford, Ethel Bright, ...*British Graduate Scholar.*

London, England. B.A., London University, 1906. Social Study Diploma, Birmingham University, 1909. Resident Scholar, Woodbrooke College, 1908-09; Student, London School of Economics, 1909-10.

Dismorr, Margaret Stewart, ...*British Graduate Scholar.*

Harrow on the Hill, England. Newnham College, University of Cambridge, England, 1907-10. First Class Honours, Cambridge Mediæval and Modern Languages Tripos, 1910.

Hattersley, Mabel, ...*British Graduate Scholar.*

Harrowgate, England. Student, Royal College of Science, South Kensington, England, 1900-04; Bedford College, London, 1904-05, and King's College, London, 1908-09. Associate, Royal College of Science, 1904. Head Science Instructor, Old Palace School, Croydon, 1905-06; Instructor in Chemistry, Datchelor College, Camberwell, 1906-08.

Hudson, Hilda Phoebe, ...*British Graduate Scholar.*

Cambridge, England. Newnham College, University of Cambridge, England, 1900-04. First Class Honours, Cambridge Mathematical Tripos, Part I, 1903; Part II, 1904. Berlin University, Winter Semester, 1904-05. M.A., Trinity College, Dublin, 1906; Staff Lecturer in Mathematics, Newnham College, 1905-10.

Klein, Elisabeth, ...*German Graduate Scholar.*

Göttingen, Germany. University of Göttingen, 1908-10.

Adams, Edith, ...*Graduate Scholar in Greek.*

Philadelphia. A.B., Wellesley College, 1908. Librarian in Y. W. C. A. Library, New York City, 1902-05; Utica Free Library, 1909-10.

Albee, Maria Hawes, ...*Greek.*

Killingly, Conn. A.B., Bryn Mawr College, 1904; Graduate Student in Greek and Archæology, Yale University, 1904-05, and in Latin and Archæology, 1905-06; Instructor in German and History in the High School, New Haven, Conn., 1904-05, and in German and Latin, 1905-06, 1907-09; Head of the Classical Department and Assistant Principal, Tudor Hall, Indianapolis, Ind., 1906-07; Assistant in the Secretary's Office, Yale University, 1908-09; Teacher of Latin in Miss Wright's School, Bryn Mawr, Pa., 1909-11.

Baker, Mary Ellen, ...*Italian.*

Decatur, Ill. A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908; Assistant in Latin, Missouri Valley College, 1901-05, and Librarian, 1902-06. Illinois State Library School, 1906-07; New York State Library School, 1907-08.

Bartholomew, Mary Eleanor, ... *English.*

Chicago, Ill. A.B., Bryn Mawr College, 1909. Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1909-11; Graduate Student, Bryn Mawr College, 1909-10.

Beebe, Margaret Hyde, ... *Greek and Archæology.*

Marysville, Kan. A.B., Kansas University, 1910.

Boyer, Martha Getz, ... *Mathematics.*

Harrisburg, Pa. A.B., Bryn Mawr College, 1909. Graduate Student, Bryn Mawr College, 1909, 1910-11; Teacher of Mathematics in Mrs. Chapman and Miss Jones' School, Chestnut Hill, Philadelphia, 1909-11.

Burnell, Bessie May, ... *Scholar in Physics.*

Greenwich, O. A.B., Lake Erie College, 1908. University of Michigan, Summer School, 1909. Instructor in Physics and Mathematics, Emerson Institute, Mobile, Ala., 1908-09, and in Lake Erie College, 1909-10.

Byrne, Alice Hill, ... *Graduate Scholar in Greek.*

Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11.

Calderhead, Iris Gallant, ... *English.*

Marysville, Kan. A.B., Kansas University, 1910.

Campbell, Annie Catherine, ...*History, Economics, and Philosophy.*

Mechanicsburg, Pa. A.B., Irving College, 1907. Graduate Student, Bryn Mawr College, 1908-09.

Carroll, Marie Josephine, ... *Scholar in History.*

Columbus, O. A.B., Ohio State University, 1909, and A.M., 1910.

Chubb, Ethel Leigh, ... *Latin.*

West Toronto, Canada. A.B., University of Toronto, 1906, and M.A., 1909; Lecturer in Westminster College, Toronto, 1906-09. Graduate Scholar in Latin and Greek, Bryn Mawr College, 1909-11.

Cole, Anna Lewis, ... *Fellow by Courtesy.*

Baltimore, Md. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Fellow in Romance Languages, Bryn Mawr College, 1895-96; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08, and Head of French Department, 1908-10; Teacher of French, Girls' High School, Philadelphia, 1910-11.

Collins, Ruth, ... *Graduate Scholar in Psychology.*

Pitman Grove, N. J. A.B., Bryn Mawr College, 1910. Instructor in English, Drexel Institute, Philadelphia, 1910-11.

Crighton, Lucille, ... *English and Comparative Literature.*

Gulfport, Miss. A.B., Mississippi State College for Women, 1910.

D'Arcy Thompson, Frances, ... *Greek, Latin and German.*

Dublin, Ireland. Girton College, University of Cambridge, England, 1903-06. Graduate in Honours, first class, Classical Tripos, Part I, 1906. M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress in the High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10; Reader in Latin, Bryn Mawr College, 1910-11.

Dixon, Alice Louise, ... *Guilford College Scholar.*

Yadkinville, N. C. A.B., Guilford College, 1910.

Dunbar, Ruth Juliette, ... *Mathematics.*

Ashtabula, O. A.B., Lake Erie College, 1910.

FOSTER, FRANCES ALLEN, ...*Graduate Scholar in English.*

Providence, R. I. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909-10.

FOWLER, LAURA, ...*History.*

Parkersburg, W. Va. A.B., Bryn Mawr College, 1901. Teacher of Mathematics, Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1901-02; Teacher of Mathematics and Latin in the High School, Parkersburg, 1903-05; Private Tutor, 1908-09; Assistant to the Principals, the Misses Shipley's School, Bryn Mawr, Pa., 1910-11.

FREHAFER, MABEL KATHRYN, ...*Mathematics and Physics.*

Philadelphia. A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student in Physics, University of Wisconsin, 1908-09; Fellow in Physics, Bryn Mawr College, 1909-10, and Demonstrator in Physics, 1910-11.

GILROY, HELEN TURNBULL, ...*Physics.*

Philadelphia. A.B., Bryn Mawr College, 1909.

HARPER, ETHEL, ...*History and Economics.*

New York City. A.B., Bryn Mawr College, 1907.

HEGE, FLORA BARBARA, ...*English, German, French and History.*

Emporia, Kan. A.B., Emporia College, 1909.

HEMPERLY, CATHARINE, ...*Mathematics, Physics and Chemistry.*

Harrisburg, Pa. A.B., Mt. Holyoke College, 1910.

HOPKINS, EDNA, ...*French.*

Topeka, Kan. A.B., Kansas State University, 1910.

HOWSON, EMILY ELIZABETH, ...*Mathematics and Physics.*

Philadelphia. A.B., Bryn Mawr College, 1910.

HUFF,* HELEN ELIZABETH, ...*Fellow by Courtesy.*

Bryn Mawr, Pa. A.B., Dickinson College, 1903, and A.M., 1905; Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08, 1909-11; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10.

HUNTER, MARY JO., ...*German, French, History and Archæology.*

Prail, Kan. A.B., Emporia College, 1908. Teacher of English and Latin, Kingman County High School, Kingman, Kan., 1908-10.

JAMES, ELEANOR, ...*Latin.*

Philadelphia. A.B., Bryn Mawr College, 1902. Teacher in Public School, Milford, Del., 1902-03; Teacher of Latin in Miss Gleim's School, Pittsburgh, Pa., 1903-04, of Latin and English, 1904-05, and of Latin, 1905-08; Graduate Student, Bryn Mawr College, First Semester, 1908-09, and Graduate Scholar, 1909-10; Head of Latin Department in the Misses Shipley's School, Bryn Mawr, Pa., 1909-10.

JONAS, ANNA ISABEL, ...*Geology.*

Bridgeton, N. J. A.B., Bryn Mawr College, 1904, and A.M., 1905. Graduate Student, Bryn Mawr College, 1904-05, 1910-11, Graduate Scholar in Geology, 1905-06, and Assistant Curator of Geological Museum, 1908-09.

JONES, JOSEPHINE MARGHARETTA, ...*Latin and History.*

Philadelphia. A.B., Bryn Mawr College, 1905. Teacher of English and Latin in Radnor College, Nashville, Tenn., 1907-08.

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* Mrs. William Bashford Huff.

Keiller, Mabel Mathewson, ... *Scholar in English.*

Narberth, Pa. A.B., Bryn Mawr College, 1908. Private Tutor, 1908-09. Graduate Student, Bryn Mawr College, 1909-10.

Kissick, Emily Kent, ... *Penn College Scholar.*

Oskaloosa, Ia. A.B., Penn College, 1910.

Lewis, Nora, ... *Scholar in Latin.*

Balmy Beach, Toronto, Canada. A.B., University of Toronto, 1908. Teacher in Westminster College, Toronto, 1908-10.

Lippoldt, Genevieve Louise, ... *English and Education.*

Boulder, Colo. A.B., University of Colorado, 1909.

Mason, Mary Taylor, ... *Chemistry and Biology.*

Germantown, Philadelphia. A.B., Bryn Mawr College, 1892. Graduate Student, Bryn Mawr College, 1892-94, 1909-10; Teacher of History in Mrs. E. L. Head's School, 1892-93, 1897-98; Member of School Board, 38th Section, Philadelphia, 1896-99, and of the Board of Education, 1899-1903.

May, L. Isabelle, ... *Biblical Literature and Education.*

Boston, Mass. A.B., Radcliffe College, 1899.

Newkirk,* Alice Maynard Field, ... *Psychology and Biology.*

Bryn Mawr, Pa. A.B., University of Cincinnati, 1899. Substitute Teacher in the High and Grammar Schools, Detroit, Mich., 1900-01.

Norris, Bertha Cornelia, ... *Scholar in Latin.*

Torrington, Conn. A.B., Bryn Mawr College, 1904. Teacher of Latin and Greek and Head of the Department of Ancient Languages, Irving College, 1904-06; Teacher in Miss Mason's School, Tarrytown, N. Y., 1906-07; Head of Miss Norris's School, Germantown, 1907-10; Reader in Latin, Bryn Mawr College, 1907-08; Reader in Latin for the College Entrance Examination Board, 1908.

Norris, Mary Rachel, ... *History and Archæology.*

Torrington, Conn. A.B., Bryn Mawr College, 1906. Teacher of English in the Veltin School, New York City, 1906-07; Teacher in Miss Norris's School, Germantown, 1907-10, and Private Tutor, 1908-10.

Peebles, Florence, ... *Fellow by Courtesy.*

Bryn Mawr, Pa. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902; and Associate Professor of Biology, 1902-06; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-07; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10.

Pennell, Hannah Sharpless, ... *Graduate Foundation Scholar.*

Wawa, Pa. A.B., Cornell University, 1906. Teacher in the Westtown Boarding School, 1898-1900, 1903-05, 1906-09.

Plaisted, Martha, ... *English.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1908. Teacher of English in Sweet Briar College, 1908-10; Reader in English, Bryn Mawr College, 1910-11.

Pond, Millicent, ... *Scholar in Mathematics.*

State College, Pa. A.B., Bryn Mawr College, 1910.

Ragsdale, Virginia, ... *Fellow by Courtesy.*

Bryn Mawr, Pa. S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896; Ph.D., 1906. Holder of the Bryn Mawr European Fellowship and Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen,

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*Mrs. Walter Matthew Newkirk.

1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-11, and Reader in Mathematics, Bryn Mawr College, 1908-10.

RANNELLS, SARAH WILEY, *English, German, French and Archæology.*

Wilmington, O. A.B., Wilmington College, 1910.

REYNOLDS, MAUDE ELIZABETH, ...*Earlham College Scholar.*

Richmond, Ind. A.B., Earlham College, 1910.

RICHARDS, ANNABELLA ELLIOTT, ...*Biology.*

Merion, Pa. A.B., Bryn Mawr College, 1907. Graduate Scholar in Chemistry, 1908-09, and Graduate Student, Bryn Mawr College, 1909-10; Teacher of Physiology in the Girls' High School, Philadelphia, 1910-11.

RIEGEL, ELLA, ...*Italian and Spanish.*

Wilmington, Del. A.B., Bryn Mawr College, 1889.

ROBERTS, LOUISE ELIZABETH, ...*Greek and Philosophy.*

Philadelphia. A.B., Bryn Mawr College, 1908. Teacher of Languages in the Friends' Academy, Moorestown, N. J., 1908-10; Private Tutor and Graduate Student, Bryn Mawr College, 1910-11.

ROE, ADAH BLANCHE, ...*Scholar in German.*

Omaha, Neb. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-10.

SANDISON, HELEN ESTABROOK,
Fellow by Courtesy and Scholar in English.

Terre Haute, Ind. A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906-07; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Special European Fellow and Student, University of Oxford, 1909-10.

SKINNER, MARGARET GRACE, ...*English.*

Bedford, England. Girton College, University of Cambridge, 1902-06; Mediæval and Modern Languages Tripos, Part I., 1905, Part II., 1906. M.A., Trinity College, Dublin, 1908. Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-10; Reader in English, Bryn Mawr College, 1910-11.

SLEEPER, IDA ALICE, ...*Biblical Literature.*

Lowell, Mass. A.B., Radcliffe College, 1903, and A.M., 1904. Teacher of Latin and English in the High School, Wrentham, Mass., 1904-05; in the Wayneflete School, Portland, Me., 1905-09; in Mt. Ida School, Newton, Mass. 1909-10; and in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11.

SMITH, EUNICE CLARA, ...*Fellow by Courtesy.*

Pawtucket, R. I. A.B., Brown University, 1907, and A.M., 1909. Fellow in English, Bryn Mawr College, 1909-10.

SMITH, HILDA WORTHINGTON, ...*Philosophy and Economics.*

New York City. A.B., Bryn Mawr College, 1910.

VOSBURGH, ISABELLA MARION, ...*Scholar in Chemistry.*

Oak Park, Ill. A.B., Mt. Holyoke College, 1910.

WEEKS, EULA ADELINE, ...*Fellow by Courtesy.*

Butler, Mo. A.B., and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05; Fellow in Mathematics, Bryn Mawr College, 1909-10.

Weusthoff, Anna Sophie, ...*Fellow by Courtesy.*

New York City. A.B., Woman's College of Baltimore, 1906. Graduate Student in Teutonic Philology, Bryn Mawr College, 1906-07; Ottendorfer Research Fellow in Teutonic Philology and Student, University of Berlin, 1907-09; Alumnæ Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909-10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11.

Whitfield, Allein, ...*English, German, French and Archæology.*

Meridian, Miss. A.B., Mississippi State College for Women, 1910.

Woodward,* Madalene Heroy, ...*Economics and Politics.*

Haverford, Pa. A.B., Barnard College, 1901.

Undergraduate Students, Academic Year, 1910-11.

Alden, Mary Bogue,
Group, History and Economics and Politics, 1908-11.

Rochester, N. Y. Prepared by the High School, Rochester, and by the Baldwin School, Bryn Mawr, Pa.

Alexander, Willa Bullitt,
Group, History and Economics and Politics, 1907-11.

Pittsburgh, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

Allen, Eleanor Bradford, ...*Group,* ———, 1910-11.

Bonita, Cal. Prepared by the High School, National City, Cal., and by the Bishop's School, San Diego, Cal.

Allport, Caroline Elizabeth, ...*Group, Latin and* ———, 1910-11.

Chicago, Ill. Prepared by the University School for Girls, Chicago.

Ames, Alice, ...*Group,* ———, 1909-11.

Saint Paul, Minn. Prepared by Miss Loomis's School, Saint Paul, and by Miss Winsor's School, Boston, Mass.

Arthurs, Ann Catharine,
Group, History and Economics and Politics, 1908-11.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908-10.

Arthurs, Martha Montgomery, ...*Group,* ———, 1910-11.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Atherton, Elizabeth Grier, ...*Group,* ———, 1910-11.

Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.

Atherton, Sarah Henry, ...*Group,* ———, 1909-11.

Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.

Ayer, Elizabeth, ...*Group,* ———, 1910-11.

Boston, Mass. Prepared by the Winsor School, Boston, Mass., and by Miss Porter's School, Farmington, Conn.

Baechle, Cecelia Irene, ...*Group, Latin and German,* 1909-11.

Philadelphia. Prepared by Notre Dame Academy, Hamilton, O., and by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909-10.

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*Mrs. Robert S. Woodward, Jr.

Baird, Janet, ...*Group,* ———, 1910-11.

Sharon Hill, Pa. Prepared by the Girls' High School, Philadelphia. Holder of the first Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, and of City Scholarship, 1910-11.

Baird, Mildred, ...*Group,* ———, 1910-11.

Sharon Hill, Pa. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship and of City Scholarship, 1910-11.

Baker, Eugenia Griffin, ...*Group,* ———, 1910-11.

New York City. Prepared by Rosemary Hall, Greenwich, Conn.

Balderston, Elizabeth Grecian, ...*Group,* ———, 1910-11.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1910-11.

Baldwin, Dorothea de Forest, *Group, German and French,* 1909-11.

New York City. Prepared by Rye Seminary, Rye, N. Y., by Mrs. Merrill's School for Girls, Oaksmere, N. Y., and by private tuition.

Baldwin, Elizabeth Ford, ...*Group,* ———, 1910-11.

New York City. Prepared by the Bryn Mawr School, Baltimore, Md.

Barber, Helen Dorothy, *Group, Mathematics and Physics,* 1908-11.

Portland, Ore. Prepared by the Portland Academy.

Barnes, Aida Cromwell, ...*Group,* ———, 1909-11.

New York City. Prepared by St. Agatha's School, New York City.

Barrett, Helen Juanita,
History and Economics and Politics, 1909-11.

Glenolden, Pa. Prepared by the Friends' Central School, Philadelphia.

Barstow, Jean Merrill, ...*Group, German and French,* 1910-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

Bartholomew, Grace, ...*Group, Greek and German,* 1909-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1909-11.

Bartlett, Marguerite Gold,
Group, History and Economics and Politics, 1909-11.

Philadelphia. Prepared by the High School, Chester, Pa., and by the Girls' High School, Philadelphia.

Batchelor, Jean Muriel. ....*Group,* ———,1910-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

Beardwood, Jane, *Group, History and Economics and Politics,* 1908-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

Bechtel, Dorothea, ...*Group,* ———, 1910-11.

Carpenter, Del. Prepared by the Friends' School, Wilmington, Del.

Beliekowsky, Sadie, ...*Group, Greek and Latin,* 1908-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1908-11.

Benedict, Isabel Hopkins, ...*Group,* ———, 1910-11.

New York City. Prepared by the Misses Rayson's School, New York City.

Bering, Mary Isabel, ...*Group, Latin and* ———, 1910-11.

Decatur, Ill. Prepared by the High School, Decatur, and by the Misses Kirk's School, Bryn Mawr, Pa.

Bixler, Rena Catherine, ...*Group,* ———, 1910-11.

Pittsburgh, Pa. Prepared by the Stuart Mitchell School, Pittsburgh, and by the Winchester School, Pittsburgh.

Blaine, Margaret Graham, *Group, History and Economics and Politics*, 1909-11.
Taunton, Mass. Prepared by the High School, Taunton, and by Miss May's School, Boston, Mass.

Blake, Dorothy Turner, ...*Group, German and French*, 1909-11.
Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. Holder of the First Bryn Mawr Matriculation Scholarship for the New England States, 1909-10.

Blanchard, Margaret Terry, ...*Group*, ———, 1910-11.
New York City. Prepared by the Veltin School, New York City.

Boardman, Wynanda Koechlin, ...*Group*, ———, 1910-11.
Troy, N. Y. Prepared by Miss Knox's School, Briarcliff Manor, N. Y., and by Rosemary Hall, Greenwich, Conn.

Bolton-Smith, Louise, ...*Group*, ———, 1910-11.
Memphis, Tenn. Prepared by St. Mary's School, Memphis, and by the Misses Shipley's School, Bryn Mawr, Pa.

Bontecou, Eleanor, *Group, Spanish and Comparative Literature*, 1909-11.
Orange, N. J. Prepared by Miss Beard's School, Orange. Holder of First Bryn Mawr Matriculation Scholarship for New York, New Jersey, and Delaware, 1908-09.

Boyd, Jessie, ...*Group*, ———, 1910-11.
New York City. Prepared by the Veltin School, New York City.

Braley, Elizabeth, ...*Group, Latin and* ———, 1910-11.
Concord, Mass. Prepared by the High School, Concord.

Branch, Zelda Madison, ...*Group, Philosophy and Physics*, 1909-11.
Kansas City, Mo. University of Texas, First Semester, 1906-07 ; University of Nebraska, 1907-09.

Brandon, Rose, ...*Group*, ———, 1910-11.
Butler, Pa. Prepared by the High School, Butler.

Brockstedt, Clarissa Beatrice, ...*Group*, ———, 1909-11.
St. Louis, Mo. Prepared by the Yeatman High School, St. Louis.

Brooks, Helen Bennett, ...*Group*, ———, 1910-11.
Indianapolis, Ind. Prepared by Rosemary Hall, Greenwich, Conn.

Brown, Christine, ...*Group*, ———, 1910-11.
Springfield, Ill. Prepared by Stuart School, Springfield, by the Monticello School, Alton, Ill., and by Rosemary Hall, Greenwich, Conn.

Brown, Margaret Eaton, ...*Group*, ———, 1909-11.
Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

Brown, Mary Wilmarth, ...*Group, Chemistry and Biology*, 1908-11.
Chicago, Ill. Prepared by the University High School, Chicago.

Brownback, Emily Yocum, ...*Group*, ———, 1910-11.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.

Bryant, Elizabeth Sohier, ...*Group*, ———, 1910-11.
Cohasset, Mass. Prepared by the Winsor School, Boston, Mass.

Buchanan, Isabel, ...*Group, German and French*, 1908, 1908-11.
Trenton, N. J. Prepared by the Misses Shipley's School and by Miss Clara L. W. Wade and by the Misses Kirk's School, Bryn Mawr, Pa.

Buchanan, Jessie Crow, ...*Group, Latin and Spanish*, 1909-11.
Trenton, N. J. Prepared by the State Model School, Trenton.

BUCHANAN, MARY CROW, ...*Group*, ———, 1910-11.

Trenton, N. J. Prepared by the Rand Collegiate School, Trenton, and by the Misses Kirk's School, Bryn Mawr, Pa.

BULLEY, COROLYN, ...*Group*, ———, 1910-11.

Syracuse, N. Y. Prepared by the Goodyear-Burlingame School, Syracuse. Radcliffe College, 1909-10.

BURACKER, FLORA KATHLEEN, ...*Group*, ———, 1910-11.

Baltimore, Md. Prepared by the Girls' Latin School, Baltimore, and by Miss Wright's School, Bryn Mawr, Pa.

BYRNE, LAURA LAURENSON,
Group, History and Economics and Politics, 1908-11.

Ellicott City, Md. Prepared by St. Timothy's School, Catonsville, Md. Holder of the Mary E. Stevens Junior Scholarship, 1910-11.

CABOT, FRANCES ANNE, ...*Group*, ———, 1910-11.

Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston.

CADBURY, LEAH TAPPER, ...*Group*, ———,1910-11.

Haverford, Pa. Prepared by the Westtown Boarding School, Westtown, Pa. Holder of Foundation Scholarship, 1910-11.

CALDER, HELEN REMINGTON, ..*Hearer by Courtesy in German*, 1910-11.

Harrisburg, Pa. Prepared by the Misses Sergeant and Miss Bent's School, Harrisburg. Bryn Mawr College, 1899-1901.

CAM, NORAH, ...*Group, Mathematics and Physics*, 1908-11.

Bishop's Stortford, England. Prepared by private tuition. Holder of Maria Hopper Scholarship, 1909-11.

CAMP, MARION MERRILL, ...*Group*, ———, 1910-11.

Milwaukee, Wis. Prepared by Milwaukee-Downer College Seminary and by Rosemary Hall, Greenwich, Conn.

CANAN, VIRGINIA CUSTER, ...*Group, Latin and English*, 1907-11.

Altoona, Pa. Prepared by the Birmingham High School, Birmingham, Pa.

CAPEL, FRANK MARCELLA, ...*Group*, ———, 1910-11.

Pittsburgh,Pa. Prepared by the Misses Mitchell's School, Pittsburgh, and by the Misses Shipley's School, Bryn Mawr, Pa.

CAREY, FRANCES KING, ...*Group, Greek and Latin*, 1907-11.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, and by the Misses Shipley's School, Bryn Mawr, Pa.

CAREY, HELEN FRASER, ...*Group*, ———, 1910-11.

New York City. Prepared by the Veltin School, New York City, and by Rosemary Hall, Greenwich, Conn.

CASKEY, EMILY EDNA, ...*Group, Latin and German*, 1907-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-11.

CHAMBERLAIN, GLADYS ELIZABETH, *Group, Latin and German*, 1908-11.

Portland, Me. Prepared by the Wayneflete School, Portland. Holder of Second Bryn Mawr Matriculation Scholarship for the New England States, 1908-09.

CHAMBERS, AGNES,
Group, History and Economics and Politics, 1908-11.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

CHAMBERS, KATE ETHEL, ...*Group, German and French*, 1907-11.

Adana, Turkey. Prepared by Miss Irwin's School, Philadelphia, and by private tuition.

CHAPIN, HELEN BURWELL, ...*Group*, ———, 1910-11.
St. David's, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

CHASE, CARMELITA, ...*Group, German and French*, 1908-11.
Omaha, Neb. Prepared by Brownell Hall, Omaha.

CHASE, DOROTHY, ...*Group, Latin and French*, 1908-11.
Chicago, Ill. Prepared by the Kirkland School, Chicago, and by the Lakeview High School, Chicago.

CHICKERING, JULIA,
Group, History and Economics and Politics, 1907-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of of City Scholarship, 1907-11.

CHILDS, MARJORIE, ...*Group*, ——— 1910-11.
Norristown, Pa. Prepared by the High School, Norristown, and by the Misses Kirk's School, Bryn Mawr, Pa.

CLAFLIN, CHARLOTTE ISABEL, ...*Group, Greek and English*, 1907-11.
Cambridge, Mass. Prepared by the Cambridge Latin School, Cambridge. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1907-08.

CLARKE, PAULINE IDA, ...*Group, English and German*, 1908-11.
New York City. Prepared by the Balliol School, Utica, N. Y. Holder of the James E. Rhoads' Sophomore Scholarship, 1909-10, and of the James E. Rhoads' Junior Scholarship, 1910-11.

CLIFTON, JESSIE WILLIAMS, ..*Group, Greek and Mathematics*, 1907-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of of City Scholarship, 1907-11.

CLINTON, MARION DOROTHEA, ...*Group, Greek and Latin*, 1909-11.
Portland, Ore. Prepared by the Lincoln High School, Portland, and by Portland Academy. Holder of the First Bryn Mawr Matriculation Scholarship for the Western States, 1909-10; Holder of the James E. Rhoads' Sophomore Scholarship, 1910-11.

COCKRELL, JOSEPHINE ELEANOR, ...*Group, Latin and French*, 1909-11.
Dallas, Tex. Prepared by St. Mary's College, Dallas, and by the Misses Kirk's School, Bryn Mawr, Pa.

COFFIN, DOROTHY, ...*Group, Latin and French*, 1907-11.
Winnetka, Ill. Prepared by the Girton School, Winnetka.

COLE, BLANCHE ELIZABETH, ...*Group*, ———, 1907-11.
Chester, Ill. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition, and by the High School, Chester.

COLT, ELIZABETH FITZHUGH, ...*Group*, ———, 1910-11.
Mt. Vernon, N. Y. Prepared by the Dearborn-Morgan School, Orange, N. J., and by Dana Hall, Wellesley, Mass.

COOLIDGE, 2ND, MARY LOWELL,.................*Group*, ———, 1910-11.
Concord, Mass. Prepared by Miss White's School, Concord, and by the Winsor School, Boston, Mass.

CORNELL, ESTHER STUART,
Group, History and Economics and Politics, 1907-10, 1911.
Coraopolis, Pa. University of Chicago, 1906-07.

CORNING, ZELMA MARY, ...*Group*, ———, 1909-11.
New York City. Prepared by the Veltin School, New York City.

CORWIN, MARGARET TRUMBULL, ...*Group, German and French*, 1908-11.
New Haven, Conn. Prepared by the High School, New Haven.

COX, DOROTHY HANNAH, ...*Group*, ———, 1910-11.

Terre Haute, Ind. Prepared by Monticello Seminary, Godfrey, Ill., by the Classical School, Terre Haute, and by the Misses Shipley's School, Bryn Mawr, Pa.

COX, LILLIEN ADELE, ...*Group*, ———, 1910-11.

Milburn, N. J. Prepared by the Dearborn-Morgan School, Orange, N. J., and by Dana Hall, Wellesley, Mass.

CRANE, MARION DELIA, ...*Group, English and Philosophy*, 1907-11.

Providence, R. I. Prepared by the High School, Abington, Mass., and by private tuition. Holder of the James E. Rhoads Sophomore Scholarship, 1908-09; Holder of the James E. Rhoads Junior Scholarship, 1909-10; Holder of Maria Hopper Scholarship, 1910-11.

CREIGHTON, CATHERINE, ...*Group*, ———, 1910-11.

Evanston, Ill. Prepared by Miss Kelly's School, Scituate, Mass.

CRENSHAW, FANNY GRAVES, ...*Group*, ———, 1908-11.

Richmond, Va. Prepared by Miss Ellett's School, Richmond.

CROCKER, CLARA BALLARD, ...*Group*, ———, 1909-11.

Boston, Mass. Prepared by Miss Winsor's School, Boston.

DADDOW, VIRGINIA, ..*Group, French and Italian and Spanish*, 1909-11.

St. Clair, Pa. Prepared by the High School, Pottsville, Pa., and by the Misses Shipley's School, Bryn Mawr, Pa.

DARKOW, ANGELA CHARLOTTE, ...*Group, Greek and Latin*, 1907-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of First Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1907-08, and of Trustees' Philadelphia Girls' High School Scholarship, 1907-11; Holder of the Maria Hopper Sophomore Scholarship, 1908-09.

DAVIS, DOROTHY LIVINGSTON, ...*Group*, ———, 1909-11.

New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City.

DAVIS, JEAN SCOBIE, ...*Group*, ———, 1910-11.

Princeton, N. J. Prepared by Deutsche Lenderziehungsheim, Sieversdorf, Germany, and by the Princeton School, Princeton. Holder of the First Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1910-11.

DAVIS, MARY EVERETT, ...*Group*, ———, 1910-11.

Cynwyd, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

DAY, ROSALIE, ...*Group*, ———, 1908-11.

Catskill, N. Y. Prepared by Wykeham Rise, Washington, Conn.

DE ANGELIS, ANNINA, ...*Group, German and French*, 1906-11.

Utica, N. Y. Prepared by the Balliol School, Utica.

DELANO, CATHARINE, ...*Group, English and Philosophy*, 1907-11.

Chicago, Ill. Prepared by the Francis W. Parker School, Chicago, and by Rosemary Hall, Greenwich, Conn.

DELANO, LAURA, ...*Group*, ———, 1910-11.

Chicago, Ill. Prepared by the Francis W. Parker School, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.

DEMING, AGATHA, ...*Group, French and* ———, 1909-11.

New York City. Prepared by the Veltin School, New York City.

DESSAU, FLORENCE MAUD, ...*Group, Latin and Mathematics*, 1909-11.

New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City. Holder of the First Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1909-10.

Dodd, Hannah Maria, ...*Group, Latin and French*, 1907-11.
Midway, Del. Prepared by the Misses Hebb's School, Wilmington, Del.

Dodd, Katharine, ...*Group*, ———, 1910-11.
Chestnut Hill, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass. Holder of the First Bryn Mawr Matriculation Scholarship for the New England States, 1910-11.

Doolittle, Margaret, ...*Group, Greek and Latin*, 1907-11.
Mt. Vernon, N. Y. Prepared by the Lockwood Collegiate Institute, Heathcote Hall, Scarsdale, N. Y.

Dunham, Ethel Collins, ...*Group*, ———, 1910-11.
Hartford, Conn. Prepared by Miss Porter's School, Farmington, Conn.

Edgerton, Gladys,
Group, History and Economics and Politics, 1908-11.
New York City. Prepared by Mrs. Merrill's School for Girls, Oaksmere, N. Y.

Egan, May Margaret, ..*Group, French and Spanish*, 1905-07, 1909-11.
Amboy, Ill. Prepared by Miss Hartridge's School, Savannah, Ga., and by Rosemary Hall, Greenwich, Conn.

Eichberg, Alice, ...*Group, Latin and English*, 1907-11.
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati. Holder of the First Bryn Mawr Matriculation Scholarship for the Western States, 1907-08.

Elcock, Gertrude Marie,
Group, History and Economics and Politics, 1908-11.
Glenside, Pa. Prepared by the Agnes Irwin School, Philadelphia. Holder of Maria Hopper Scholarship, 1909-10; Holder of Special Scholarship, 1910-11.

Eliot, Martha May, ...*Group*, ———, 1910-11.
Boston, Mass. Prepared by the Winsor School, Boston.

Emerson, Helen, ...*Group, Mathematics and Physics*, 1907-11.
Providence, R. I. Prepared by the Lincoln School, Providence. Holder of the First Bryn Mawr Matriculation Scholarship for the New England States, 1907-08.

Evans, Helen Ludington, ...*Group, French and Latin*, 1909-11.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Evans, Marion Annette, ...*Group*, ———, 1910-11.
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.

Fabian, Elizabeth Storrs, ...*Group*, ———, 1909-11.
Evanston, Ill. Prepared by the High School, Evanston.

Faries, Elizabeth,
Group, History and Economics and Politics, 1908-11.
Chestnut Hill, Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill.

Faulkner, Ellen, ...*Group, Physics and Biology*, 1909-11.
Keene, N. H. Prepared by the High School, Keene, by the MacDuffie School, Springfield, Mass., and by private tuition.

Fendall, Mary Gertrude, *Group, Mathematics and Physics*, 1908-11.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Field, Aristine, ...*Group, Greek and Latin*, 1907-11.
Lincoln Park, N. Y. Prepared by the High School, Rochester, N. Y., and by the Baldwin School, Bryn Mawr, Pa.

Fine, Suzanne Breeze Packard,...*Group, Latin and* ———, 1910-11.
Princeton, N. J. Prepared by the Princeton School, Princeton, and by Rosemary Hall, Greenwich, Conn.

Fleisher, Madeleine Wolf, ... *Group*, ———, 1910-11.
Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

Fleming, Harriet Edna, ... *Group*, ———, 1910-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

Forster, Emma, ... *Group, Latin and German*, 1907-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1907-11, and Holder of Anna M. Powers Memorial Scholarship, 1909-11.

Forster, Sophie Katharine, ... *Group*, ———, 1910-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Special Scholarship, 1910-11.

Francis, Clara Jane,
Group, History and Economics and Politics, 1908-11.
Martins Ferry, O. Prepared by the High School, Martins Ferry.

Friend, Margaret Alice,
Group, Economics and Politics and Philosophy, 1907-11.
Milwaukee, Wis. Prepared by Milwaukee-Downer College.

Funkhouser, Elsie Lush, ... *Group, Greek and Latin*, 1907-11.
Lincoln, Neb. University of Nebraska, 1906-07.

Gale, Eleanore Edwards, ... *Group, Latin and Archæology*, 1910-11.
Washington, D. C. Prepared by the National Cathedral School, Washington, and by the Misses Kirk's School, Bryn Mawr, Pa.

Gardner, Mabel, ... *Group*, ———, 1910-11.
Providence, R. I. Prepared by Miss Wheeler's School, Providence.

Gayler, Ruth Hamilton, ... *Group, Greek and Latin*, 1907-11.
Stamford, N. Y. Prepared by the High School, Mt. Vernon, N. Y.

Gibson, Louise Isabel, ... *Group*, ———, 1909-11.
Birmingham, Ala. Prepared by the Margaret Allen School, Birmingham.

Glenn, Florence Martha, ... *Group, Latin and German*, 1908-11.
Johnstown, Pa. Prepared by the High School, Johnstown.

Godfrey, Dorothy, ... *Group, German and French*, 1910-11.
Fitchburg, Mass. Prepared by the High School, Fitchburg.

Goldsmith, Cecile Adler, ... *Group, German and French*, 1909-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909-11.

Goodall, Winifred, ... *Group*, ———, 1910-11.
Cincinnati, O. Prepared by the Bartholomew-Clifton School, Cincinnati, by the Misses Shipley's School, Bryn Mawr, Pa., and by the College Preparatory School, Cincinnati.

Haenssler, Mildred, ... *Group*, ———, 1910-11.
St. Charles, Mo. Prepared by the High School, St. Charles.

Haines, Julia Loring,
Group, History and Economics and Politics, 1908-11.
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

Haines, Mary Troth, ... *Group, German and* ———, 1910-11.
Moorestown, N. J. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Friends' Select School, Philadelphia.

Halpen, Sara Marion, ... *Group, German and* ———, 1909-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909-11.

HAMILTON, AMY GORDON, ...*Group*, ———, 1909-11.

Tenafly, N. J. Prepared by the Dwight School, Englewood, N. J.

HAMMER, CHRISTINE POTTS,
Group, History and Economics and Politics, 1908-11.

Pottstown, Pa. Prepared by Dana Hall, Wellesley, Mass.

HARTSHORNE, ANNA, ...*Group, Latin and German*, 1908-11.

Brighton, Md Prepared by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1908-11.

HATHAWAY, SYLVIA, ...*Group, German and French*, 1909-11.

Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, by Miss Low's School, Stamford, Conn., and by the Agnes Irwin School, Philadelphia.

HAYDOCK, LOUISA LOW, ...*Group, Chemistry and Biology*, 1909-11.

Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, by the Agnes Irwin School, Philadelphia, and by the Low-Heywood School, Stamford, Conn.

HEARNE, ALICE,..*Group, History and Economics and Politics*, 1909-11.

Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

HEFFERN, ANNA CONSTANCE,
Group, English and Comparative Literature, 1908-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1908-11.

HELLINGS, ELEANOR LOUISE, ...*Group*, ———, 1910-11.

Devon, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.

HENDERSON, HELEN HAMILTON LEIPER,
Group, History and Economics and Politics, 1907-11.

Cumberland, Md. Prepared by the Misses Kirk's School, Rosemont, Pa.

HENDERSON, HILDEGARDE GERTRUDE,
Group, German and French, 1909-11.

Cambridge, Mass. Prepared by the Berkeley Street School, Cambridge, and the Misses Smith's School, Cambridge.

HENDERSON, LOUISA, ...*Group, French, Italian and Spanish*, 1909-11.

Cumberland, Md. Prepared by Allegheny County Academy, Cumberland, Md.

HIGGINSON, MARY HAMOT,
Group, History and Economics and Politics, 1907-11.

Fall River, Mass. Prepared by the Balliol School, Utica, N. Y.

HINDE, HELEN HARPER, ...*Group*, ———, 1910-11.

Chicago, Ill. Prepared by the Chicago Latin School, Chicago. Holder of the Second Bryn Mawr Matriculation Scholarship for the Western States, 1910-11.

HINRICHS, GERTRUDE MARY, ...*Group*, ———, 1909-11.

Glen Ridge, N. J. Prepared by the High School, Glen Ridge, and by private tuition.

HOBART, MARGARET JEFFERYS, ...*Group, Greek and Latin*, 1907-11.

New York City. Prepared by the Brearley School, New York City. Holder of the First Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1907-08.

HOBSON, MARTHA BARBOUR, ...*Group*, ———, 1910-11.

Chicago, Ill. Prepared by the University School for Girls, Chicago. Holder of the First Bryn Mawr Matriculation Scholarship for the Western States, 1910-11.

HOFFMAN, MARGERY ELIZABETH,
Group, History and Economics and Politics, 1907-11.

Portland, Ore. Prepared by Miss Ingol's School, Cambridge, Mass., by the Lee School, Cambridge, and by private tuition.

HOLMES, MAUD WISLIZENUS, ...*Group, Physics and* ———, 1909-11.

St. Louis, Mo. Prepared by Mary Institute, St. Louis. Holder of the Second Bryn Mawr Matriculation Scholarship for the Western States, 1909-10.

HOSHINO, AI, ...*Group, Chemistry and Biology*, 1908-11.

Tokio, Japan. Prepared by Miss Tsuda's School, Tokio, by the Stevens School, Germantown, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.

HOUGHTELING, LEILA,
Group, History and Economics and Politics, 1907-11.

Winnetka, Ill. Prepared by the Girton School, Winnetka, and by Miss Spence's School, New York City.

HOUSTON, JULIA TAYLOR, ...*Group, English and French*, 1908-11.

Pine Bluff, Ark. Prepared by the High School, Pine Bluff, by Elizabeth College, Charlotte, N. C., and by private tuition.

HOWSON, BEATRICE,
Group, History and Economics and Politics, 1908-11.

Philadelphia. Prepared by the Friends' Central School, Philadelphia.

HUGHES, MARY DOROTHY, ...*Group*, ———, 1910-11.

Wilkinsburg, Pa. Prepared by the High School, Wilkinsburg, and by private tuition.

HUNTINGTON, KATHARINE, ...*Group*, ———, 1910-11.

Princeton, N. J. Prepared by the Princeton School. Holder of the Second Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1910-11.

HURD, ELIZABETH CARTER,
Group, History and Economics and Politics, 1910-11.

Chicago, Ill. Prepared by the University High School, Chicago. University of Chicago, 1908-10.

IRISH, FLORENCE CATHERINE,
Group, History and Economics and Politics, 1909-11.

Norristown, Pa. Prepared by Miss Roney's School, Bala, Pa.

IRWIN, MARIAN IKI, ...*Group, Chemistry and Biology*, 1909-11.

Tokio, Japan. Prepared by the Baldwin School, Bryn Mawr, Pa.

JACKSON, EUGENIA LOUISE, ...*Group*, ———, 1910-11.

Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.

JANNEY, MILDRED, ...*Group*, ———, 1907-08, 1910-11.

Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by private tuition. Royal Holloway College, Egham, Surrey, England, 1908-09.

JENNINGS, BESSIE HOMER. ....*Hearer by Courtesy in Italian*, 1910-11.

Philadelphia. Special Cataloguer in the Bryn Mawr College Library, 1903-08, and Assistant Cataloguer, 1908-11.

JOHNSTON, ELIZABETH HENRIETTA,
Group, Mathematics and Chemistry, 1908-11.

Carlisle, Pa. Prepared by the High School, East Orange, N. J., and by Metzger College, Carlisle.

JONES, GLADYS, *Group, History and Economics and Politics*, 1908-11.

Hazleton, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

Jones, Gwladys Webster, ...*Group*, ———, 1910-11.
Ocean Grove, N. J. Prepared by the Neptune Township High School, Ocean Grove, by the High School, Asbury Park, N. J., and by private tuition.

Justice, Caroline Letchworth,
Group, Mathematics and Physics, 1907-11.
Narberth, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Holder of the Trustees' Lower Merion High School Scholarship, 1907-10; Holder of the Thomas H. Powers Memorial Scholarship, 1910-11.

Kelly, Olga Elizabeth Bredow, ...*Group*, ———, 1909-11.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Kennedy, Laura Elizabeth, ..*Group, French and Spanish*, 1909-11.
Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs.

King, Rachel Estelle Albright, ...*Group*, ———, 1910-11.
Birmingham, England. Prepared by the High School for Girls, Edgbaston, England, and by private tuition. Holder of Foundation Scholarship, 1910-11.

Kirk, Helen Reed, ...*Group, Latin and* ———, 1910-11.
Philadelphia. Prepared by the Combined School, Germantown, Philadelphia, and by the Girls' High School, Philadelphia.

Lamb, Louise Emerson, ...*Group, French and Spanish*, 1908-11.
Baltimore, Md. Prepared by Ecole Vinet, Lausanne, Switzerland, and by the Bryn Mawr School, Baltimore.

Lautz, Helen Sophia, ...*Group, Latin and French*, 1908-11.
Pekin, Ill. Prepared by the High School, Pekin, and by the Misses Shipley's School, Bryn Mawr, Pa.

Layton, Margaret Hammond, ...*Group, Latin and German*, 1907-11.
Monroe, La. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private study.

Lee, Ethel McLane, ...*Group*, ———, 1910-11.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1910-11.

Lee, Helen, ...*Group, Latin and French*, 1909-11.
Philadelphia. Prepared by Milwaukee-Downer College.

Leopold, Florence Stein,
Group, History and Economics and Politics, 1908-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

Levy, Edna Sophie, ...*Group, French and Spanish*, 1909-11.
Pittsburgh, Pa. Prepared by the High School, Pittsburgh.

Lewis, Rebecca Renshaw, ...*Group, Latin and Spanish*, 1908-11.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908-11.

Livingston, Frances Elizabeth, ...*Group*, ———, 1910, 1910-11.
Lawrence, Long Island, N. Y. Prepared by St. Mary's Hall, Burlington, N. J., and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.

Llewellyn, Gertrude,
Group, History and Economics and Politics, 1908-11.
Evanston, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Baldwin School, Bryn Mawr, Pa.

Longwell, Katherine Cavenagh,
Group, Latin and German, 1908-11.
Pittsburgh, Pa. Prepared by Frankby House School, Hoylake, England, and by Miss Gleim's School, Pittsburgh.

LORD, ELIZABETH EVANS, ...*Group*, ———, 1910-11.

Plymouth, Mass. Prepared by Miss Wheeler's School, Providence, R. I.

LUCAS, LEONORA, ...*Group, French and Italian*, 1908-11.

Evanston, Ill. Prepared by the Academy of the University of Illinois. University of Illinois, 1905-06.

MABON, ROSA VEDDER, ...*Group, Latin and French*, 1909-11.

New York City. Prepared by St. Agnes School, Albany, N. Y., and by the Brearley School, New York City.

MACELREE, MARGARET, ...*Group*, ———, 1910-11.

West Chester, Pa. Prepared by the High School, West Chester, and by the Baldwin School, Bryn Mawr, Pa.

MAGOFFIN, HENRIETTA FLOYD, ...*Group, Latin and French*, 1907-11.

Mercer, Pa. Prepared by the High School, and by the Academy, Mercer.

MAGUIRE, ELIZABETH YARNALL, ..*Group, French and* ———, 1909-11.

Philadelphia. Prepared by the Holman School, Philadelphia, and by the Agnes Irwin School, Philadelphia.

MANCHESTER, RUTH COE, ...*Group, Greek and Latin*, 1909-11.

Winsted, Conn. Prepared by the Gilbert School, Winsted, Conn. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1909-10; Holder of Maria Hopper Scholarship, 1910-11.

MARSH, HELEN ELIZABETH,
Group, History and Economics and Politics, 1908-11.

Brooklyn, New York City. Prepared by the Friends' Seminary, New York City, and by private tuition.

MASON, ROSALIND FAY, ...*Group, English and French*, 1907-11.

Chicago, Ill. Prepared by the University School for Girls, Chicago.

MCKELVEY, MARY ALICE, ...*Group, Geology and Biology*, 1908-11.

New York City. Prepared by the Brearley School, New York City.

MEAD, MARION LORAINE, ...*Group, Latin and French*, 1908-11.

Evanston, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Baldwin School, Bryn Mawr, Pa.

MELLEN, MARGUERITE, ...*Group*, ———, 1909-11.

Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Rosemary Hall, Greenwich, Conn.

MENENDEZ, LUCINDA POILLON,................*Group*, ———, 1909-11.

Greenwich, Conn. Prepared by Rosemary Hall, Greenwich, Conn.

MICHAEL, JEANNETTE, ...*Group*, ———, 1909-10, 1911.

Buffalo, N. Y. Prepared by St. Margaret's School, Buffalo, and by Rosemary Hall, Greenwich, Conn.

MILLER, ALICE CHAPMAN, ...*Group*, ———, 1910-11.

Milwaukee, Wis. Prepared by Milwaukee-Downer College and by Rosemary Hall, Greenwich, Conn.

MILLER, LAURA ISABELLE,
Group, History and Economics and Politics, 1907-11.

Milwaukee, Wis. Prepared by Milwaukee-Downer College, and by the Baldwin School, Bryn Mawr, Pa.

MILLER, RAMONA BEATRICE, *Group, Mathematics and Physics*, 1909-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the First Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1909-10, and of the Simon Muhr Scholarship, 1909-11.

MITCHELL, PEARL BORING,
Group, History and Economics and Politics, 1908-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the Minnie Murdoch Kendrick Scholarship, 1908-11.

MONTGOMERY, HAZEL MARGARET,
Group, English and Comparative Literature, 1908-11.

New York City. Prepared by the Misses Kirk's School, Bryn Mawr, Pa., by the Brearley School, New York City, and by private tuition.

MOORE, ELSIE, ...*Group, Mathematics and Geology*, 1907-11.

Danville, Pa. Prepared by the High School, Danville, and by private tuition.

MORGAN, MARY ALDEN, ...*Group, English and Philosophy*, 1908-11.

Chicago, Ill. Prepared by the University School for Girls, Chicago, and by private tuition.

MORROW, AGNES ELIZABETH,
Group, History and Economics and Politics, 1908-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

MUNROE, MARGARET ADELAIDE, ...*Group, Latin and English*, 1909-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the L. C. B. Saul Memorial Scholarship and Holder of City Scholarship, 1909-11.

MURRAY, AGNES LAURENCE, ...*Group, French and Spanish*, 1907-11.

Delhi, N. Y. Prepared by St. Agnes School, Albany, N. Y. Holder of Maria Hopper Sophomore Scholarship, 1908-09; Holder of Mary E. Stevens Junior Scholarship, 1909-10.

MURRAY, MARJORIE FRANCES, ...*Group*, ———, 1909-11.

Delhi, N. Y. Prepared by Delaware Academy, Delhi, and by St. Agnes School, Albany, N. Y. Holder of Maria Hopper Scholarship, 1910-11.

NATHANS, BEATRICE CORNELIA, ...*Group, English and* ———, 1909-11.

Philadelphia. Prepared by Miss Keyser's School, Philadelphia, by Miss Gordon's School, Philadelphia, and by private tuition.

NEWTON, CAROLINA EDELHEIM, ...*Group*, ———, 1910-11.

Daylesford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

NILES, JOSEPHINE, ...*Group*, ———, 1910-11.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

O'CONNOR, AGNES, ...*Group, French and* ———, 1909-11.

Flushing, N. Y. Prepared by the High School, Flushing.

OPPENHEIMER, ELLA, ...*Group*, ———, 1910-11.

Washington, D. C. Prepared by the Central High School, Washington, and by private tuition.

OWEN, CLARA MARIE, ...*Group*, ———, 1909-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

PADDOCK, IRENE, ...*Group*, ———, 1910-11.

Philadelphia. Prepared by Miss Roney's School, Bala, Pa., by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

PAGE, ANNE, ...*Group*, ———, 1910-11.

Brookline, Mass. Prepared by Madame Haube, Lausanne, Switzerland, by the High School, Brookline, and by private tuition.

PAGE, KATHARINE ALICE, ...*Group, German and French*, 1909-11.

New York City. Prepared by the Dwight School, Englewood, N. J.

PARKER, ALPINE BODINE,
Group, History and Economics and Politics, 1907-11.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Foundation Scholarship, 1907-11.

PARKHURST, HELEN HUSS, ...*Group, Latin and English*, 1907-11.

Englewood, N. J. Prepared by the Dwight School, Englewood.

PATTEN, AGNES, ...*Group*, ———, 1910-11.

Evanston, Ill. Prepared by the Township High School, Evanston.

PATTERSON, ALICE DUDLEY, ...*Group, Latin and German*, 1909-11.

Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia, and by the Agnes Irwin School, Philadelphia. Holder of the Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1909-10.

PECK, MARGARET WINTHROP,.....*Group, Latin and German*, 1908-11.

Bristol, Conn. Prepared by the High School, Bristol, and by the Baldwin School, Bryn Mawr, Pa.

PEIRCE, MARY, ...*Group, French and Italian*, 1908-11.

Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by the Agnes Irwin School, Philadelphia.

PERKINS, LUCILE, ...*Group, German and French*, 1909-11.

Dallas, Tex. Prepared by St. Mary's College, Dallas, by Madame Yeatman, Paris, France; by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

PINNEY, ELIZABETH,
Group, History and Economics and Politics, 1908-11.

New Brighton, Staten Island. Prepared by the Brearley School, New York City.

PINNEY, MARIE, ...*Group, German and French*, 1909-11.

Willmar, Minn. Prepared by Stanley Hall, Minneapolis, Minn.

POND, CLARA PENNIMAN, ...*Group, Chemistry and Biology*, 1909-11.

State College, Pa. Pennsylvania State College, 1907-09.

PORTER, ELIZABETH LANE, ...*Group*, ———, 1910-11.

Fort Wayne, Ind. Prepared by the High School, Fort Wayne, and by private tuition.

PORTER, FRANCES, ...*Group, Physics and Biology*, 1907-11.

Hubbard Woods, Ill. Prepared by the Girton School, Winnetka, Ill.

PORTER, HELEN LOUISE KNICKERBACKER, ...*Group*, ———, 1910-11.

Montclair, N. J. Prepared by the Kimberley School, Montclair.

POTTBERG, ELLEN ESTHER,....*Group, Physics and Chemistry*, 1907-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1907-11.

POTTER, EDNA MARGARET,
Group, History and Economics and Politics, 1909-11.

Detroit, Mich. Prepared by the Eastern High School, Detroit, and by the Mt. Ida School for Girls, Newton, Miss.

PRESTON, CATHARINE ANITA, *Group, Latin and Mathematics*, 1910-11.

Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Holder of Lower Merion High School Scholarship, 1910-11.

PRITCHETT, IDA WILLIAMS, ...*Group*, ———, 1910-11.

New York City. Prepared by Miss Low's School, Stamford, Conn., and by the Brearley School, New York City.

PRUSSING, MARGARET ALICE, ...*Group, English and German,* 1907-11.
Chicago, Ill. Prepared by the Chicago Latin School, Chicago.

RAMSEY, HELEN MARGUERITE,
Group, History and Economics and Politics, 1907-11.
Rosemont, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Holder of the Elizabeth Duane Gillespie Memorial Scholarship in American History, 1910-11.

RAWSON, GWENDOLYN, ...*Group,* ———, 1909-11.
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati.

REYNOLDS, ELIZABETH KEMPLEY, ...*Group,* ———, 1910-11.
Holbrook, L. I. Prepared by the Misses Ely's School, Greenwich, Conn., by the Deaconesses Institution, Florence, Italy, and by private tuition in Germany.

RICE, PHYLLIS, ..*Group, History and Economics and Politics,* 1907-11.
Lynn, Mass. Prepared by Miss Hazard's School, Boston, Mass., and by the Misses Shipley's School, Bryn Mawr, Pa.

RICHARDSON, ETHEL LOUISE, ...*Group, Latin and English,* 1907-11.
Philadelphia. Prepared by the High School, Colorado Springs, Colo., by the High School, Pasadena, Cal., and by private tuition.

RICHMOND, MARGARET, ...*Group,* ———, 1910-11.
Schenectady, N. Y. Prepared by the Academy for Girls, Albany, N. Y., and by Miss White's School, Paris, France.

RICHTER, HELEN RUTH,
Group, History and Economics and Politics, 1909-11.
New York City. Prepared by the Gardiner School, New York City, and by the Benjamin Deane School, New York City.

ROBERTS, RUTH, *Group, History and Economics and Politics,* 1907-11.
Decatur, Ill. Prepared by the High School, Decatur, and by the Misses Shipley's School, Bryn Mawr, Pa.

ROBERTSON, EMMA SELLERS, ...*Group, French and* ———, 1909-11.
Bala, Pa. Prepared by All Saints School, Germantown, Philadelphia, and by Miss Roney's School, Bala, Pa.

ROBINS, DOROTHEA, ...*Group, Latin and French,* 1903-05, 1910-11.
Philadelphia. Prepared by the Misses Shipley's School and by private tuition.

ROCKWELL, CLEOS LEPHA, ...*Group,* ———, 1910-11.
Kenilworth, Ill. Prepared by the High School, West Chester, Pa., and by the Baldwin School, Bryn Mawr, Pa.

ROGERS, ISOBEL MITCHELL, ...*Group, Physics and Chemistry,* 1907-11.
Yonkers, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa., and by private tuition.

ROSS, ELIZABETH, ...*Group, Physics and Geology,* 1907-11.
Cleveland, O. Prepared by the Central High School, Cleveland.

ROSS, FRANCES LÜBBE, ...*Group,* ———, 1909-11.
Conshohocken, Pa. Prepared by the Agnes Irwin School, Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.

RUNYON, HENRIETTA BRONSTON, ...*Group,* ———, 1908-09, 1910-11.
Richmond, Va. Prepared by Miss Ellett's School for Girls, Richmond.

RUSSELL, LOUISE STERNBERG, ...*Group, German and French,* 1907-11.
Cooperstown, N. Y. Prepared by the Balliol School, Utica, N. Y.

SCHMIDT, MARY RICHARDSON, ...*Group, German and French,* 1910-11.

York, Pa. Prepared by Rosemary Hall, Greenwich, Conn. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1910-11.

SCHRAM, HILPA SERENA,
Group, History and Economics and Politics, 1907-11.

Columbia, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Holder of Elizabeth Duane Gillespie Scholarship in American History, 1909-10.

SCOTT, MARION STURGES, ...*Group, English and Philosophy,* 1907-11.

Chicago, Ill. Prepared by the Girls' Latin School, Chicago, and by Rosemary Hall, Greenwich, Conn.

SCRIBNER, MARY E.
Group, History and Economics and Politics, 1908-11.

Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by Rosemary Hall, Greenwich, Conn.

SCRIPTURE, WINIFRED, ...*Group, Chemistry and Biology,* 1908-11.

New York City. Prepared by Luisen Schule, Berlin, and by Siebertsche Institute, Munich, Germany, and by Chappaqua Mountain Institute, Chappaqua, N. Y.

SCRUGGS, MARGARET, ...*Group,* ———, 1909-11.

Dallas, Tex. Prepared by Cowart Hall, Dallas, and by the Misses Kirk's School, Bryn Mawr, Pa.

SEARS, MARGARET, ...*Group,* ———, 1910-11.

Framingham, Mass. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

SELIG, ALICE, ...*Group,* ———, 1909-11,

Philadelphia. Prepared by the Girls' High School, Philadelphia.

SERGEANT, KATHARINE, ...*Group,* ———, 1910-11.

Brookline, Mass. Prepared by the Winsor School, Boston, Mass.

SHADBURN, LUCILE, ...*Group,* ———, 1909-11.

Buford, Ga. Prepared by Brenan College, Gainesville, Ga., by the Lucy Cobb Institute, Athens, Ga.; by the National Park Seminary, Forest Glen, Md., and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.

SHAFFER, WILHELMINA, ...*Group, Latin and German.* 1910-11.

Fort Washington, Pa. Prepared by the Stevens School and by All Saints School, Germantown, Philadelphia.

SHARMAN, LOU MAY,
Group, German and Italian and Spanish, 1908-11.

Reading, Pa. Prepared by the Girls' High School, Reading.

SHAW, EVELYN WELLS, ...*Group,* ———, 1910-11.

Lake Forest, Ill. Prepared by the University School for Girls, Chicago.

SHAW, HELEN HASTINGS, ...*Group,* ———, 1910-11.

Brookline, Mass. Prepared by Miss May's School, Boston, Mass.

SHAW, KATHARINE LYDIA, *Group, Mathematics and Chemistry,* 1908-11.

Glenshaw, Pa. Prepared by Preparatory School of Pennsylvania College, by Miss Gleim's School, Pittsburgh, and by private tuition.

SHELDON, HARRIET SHELDON, ...*Group,* ———, 1910-11.

Columbus, O. Prepared by the Columbus School for Girls, Columbus, O.

SHELDON, MARTHA, ...*Group,* ———, 1908-11.

Pittsburgh, Pa. Prepared by Miss Gleim's School, Pittsburgh.

SHELDON, MARY, *Group, History and Economics and Politics*, 1909-11.

Chicago, Ill. Prepared by Rosemary Hall, Greenwich, Conn., and by Miss Spence's School, New York City.

SHENSTONE, MARY ELSIE, ...*Group, French and* ———, 1909-11.

Toronto, Ontario, Canada. Prepared by Miss Veal's School, Toronto. University of Toronto, 1908-09.

SHIPLEY, ELIZABETH TAYLOR, ...*Group*, ———, 1909-11.

Haverford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa. Holder of Foundation Scholarship, 1909-11.

SHIPLEY, MAY MALLET-PREVOST, ..*Group, German and* ———, 1910-11.

Philadelphia. Prepared by Miss Blakey's Class for Girls, Philadelphia, and by the Misses Shipley's School, Bryn Mawr, Pa.

SHIPPEN, KATHARINE BINNEY, ...*Group*, ———, 1910-11.

Hoboken, N. J. Prepared by the Hoboken Academy.

SIMPSON, ADELAIDE DOUGLAS, ...*Group, Greek and Latin*, 1909-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1909-11.

SKERRETT, DOROTHY WENTWORTH, ...*Group*, ———, 1910-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1910-11.

SMITH, MARGERY, *Group, History and Economics and Politics*, 1907-11.

Balston Spa, N. Y. Prepared by the Bennett School, Irvington-on-Hudson, N. Y.

SMITH. MARY CHRISTINE, ...*Group*, ———, 1910-11.

Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.

SOUTHARD, MARJORIE WRIGHT, ...*Group*, ———, 1910-11.

New Brighton, Staten Island, N. Y. Prepared by the St. Agnes School, Albany, N. Y.

SPRY, GLADYS, ..*Group, History and Economics and Politics*, 1908-11.

Evanston, Ill. Prepared by the High School, Evanston. Northwestern University, 1907-08.

STEARNS, ANNA, ...*Group, Latin and French*, 1907-11.

Nashua, N. H. Prepared by the High School, Nashua, and by private tuition.

STECHER, LORLE IDA, ...*Group, English and Philosophy*, 1908-11.

Philadelphia. Prepared by the Manual Training High School, Indianapolis, Ind., and by the Girls' High School, Philadelphia. Holder of City Scholarship, 1908-11.

STEELE, EDITH RACHAEL, ...*Group*, ———, 1909-11.

Pittston, Pa. Prepared by the High School, West Pittston, Pa., and by Wyoming Seminary, Kingston, Pa.

STETSON, LYDIA ALMY, ...*Group, French and* ———, 1909-11.

New Bedford, Mass. Prepared by the Friends' Academy, New Bedford, and by Rosemary Hall, Greenwich, Conn.

STIRLING, JEAN WEDDERBURN,
Group, Economics and Politics and Philosophy, 1908-11.

Chicago, Ill. Prepared by the Dearborn Seminary, Chicago, and by the University School for Girls, Chicago. Holder of Second Bryn Mawr Matriculation Scholarship for the Western States, 1908-09.

STIX, HELEN, ...*Group*, ———. 1910-11.

St. Louis, Mo. Prepared by the Mary Institute. St. Louis.

Stoddard, Yvonne, ...*Group, Latin and English,* 1909-11.

Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. Holder of First Bryn Mawr Matriculation Scholarship for the New England States, 1906-07.

Stohr, Keinath, ...*Group,* ———, 1909-11.

Chicago, Ill. Prepared by the Chicago Latin School, Chicago.

Stout, Katharine Houghton, ...*Group,* ———, 1909-11.

Chicago, Ill. Prepared by the Ross-Boyesen School, and by Rosemary Hall, Greenwich, Conn.

Stuart, Adelina Allyn,
Group, Geology and Chemistry, 1904, 1904-06, 1910-11.

Corsicana, Tex. Prepared by Miss Mary E. Stevens, Germantown, Philadelphia.

Swan, Elizabeth, ...*Group,* ———, 1910-11.

Biloxi, Miss. Prepared by the Sophie Newcomb Memorial College, by Miss Walcott's School, Denver, Colo., and by Rosemary Hall, Greenwich, Conn.

Swanzy, Nora Hastings,
Group, French and Italian and Spanish, 1909-11.

Honolulu, H. I. Prepared by Oahu College, Honolulu, and by Wykeham Rise, Washington, Conn.

Swift, Elisabeth,
Group, History and Economics and Politics, 1906-11.

New York City. Prepared by the Brearley School, New York City.

Swift, Nathalie, *Group, History and Economics and Politics,* 1909-11.

New York City. Prepared by the Brearley School, New York City. Holder of Second Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1909-10.

Tappan, Julia Buchanan, ...*Group,* ———, 1910-11.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Taylor, Alice Marion, ...*Group, French and Spanish,* 1909-11.

New York City. Prepared by the Willard School, Berlin, Germany.

Taylor, Mary Minor Watson,
Group, Mathematics and Physics, 1907-11.

Richmond, Va. Prepared by Miss Morris's School, Richmond, and by private tuition.

Terry, Catherine Louise,
Group, History and Economics and Politics, 1908-11.

New York City. Prepared by the Veltin School, New York City.

Thomas, Ethel Marian, ...*Group, Latin and Spanish,* 1908-11.

Philadelphia. Prepared by the Philadelphia Collegiate Institute, by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

Thompson, Catherine Reichenbach,
Group, Latin and English, 1908-11.

Pittsburgh, Pa. Prepared by the High School, Pittsburgh, and by Dilworth Hall, Pittsburgh.

Thompson, Clara Belle, ...*Group, Greek and Mathematics,* 1909-11.

Hopkinsville, Ky. Prepared by the High School, East Denver, Colo., by the High School, Paducah, Ky., and by the Girls' High School, Louisville, Ky.

Thompson, Lucille, ...*Group, History and* ———, 1910-11.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the George W. Fetter Memorial Scholarship, 1910-11.

THOMPSON, MARJORIE LA MONTE,
Group, Economics and Politics and Philosophy, 1908-11.
Philadelphia. Prepared by Miss Gordon's School, Philadelphia.

THWING, APPHIA STANLEY,
Group, History and Economics and Politics, 1909-11.
Cleveland, O. Prepared by the Laurel School, Cleveland.

TINGES, ANITA, ...*Group*, ———, 1910-11.
Baltimore, Md. Prepared by the Friends' School, Baltimore, and by the Bryn Mawr School, Baltimore.

TOMLINSON, JOY, ...*Group*, ———, 1909-11.
Birmingham, Ala. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

TONGUE, MARY VAN ARSDALE, ...*Group*, ———, 1909-11.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1909-11.

TREDWAY, HELEN, ...*Group, Physics and Chemistry*, 1907-11.
Dubuque, Ia. Prepared by the High School, Dubuque. Holder of the Second Bryn Mawr Matriculation Scholarship for the Western States, 1907-08; Holder of Brooke Hall Memorial Scholarship, 1910-11.

TURNER, GRACE, ...*Group, Greek and Latin*, 1909-11.
Berwyn, Pa. Prepared by the Girls' High School, Philadelphia.

TYSON, EVELYN BAYLY, ...*Group*, ———, 1910-11.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore, and by Oldfields, Glencoe, Md.

VAN DYKE, NANCY DUNCAN, ...*Group*, ———, 1910-11.
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary and by Rosemary Hall, Greenwich, Conn.

VENNUM, MARY DURHAM,
Group, History and Economics and Politics, 1908-11.
Onarga, Ill. Prepared by Grand Prairie Seminary, Onarga, by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.

VINCENT, ISABEL DARLINGTON, ..*Group, French and Spanish*, 1908-11.
Chicago, Ill. Prepared by the University High School, Chicago.

WALKER, AMY MOREHEAD,
Group, History and Economics and Politics, 1907-11.
Chicago, Ill. Prepared by the Girls' Latin School, Chicago.

WALKER, ESTHER,
Group, History and Economics and Politics, 1906-09, 1910, 1910-11.
Albany, N. Y. Prepared by the Fenimore Cooper School for Girls, Albany.

WALLER, RUBY LEORA, ...*Group*, ———, 1910-11.
Kewanee, Ill. Prepared by the High School, Kewanee, and by the Baldwin School, Bryn Mawr, and by private tuition.

WALLERSTEIN, RUTH COONS, ...*Group*, ———, 1910-11.
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.

WALTER, MARJORIE FANNIE,
Group, History and Economics and Politics, 1908-11.
New York City. Prepared by St. Mary's School, New York City, and by private tuition.

WARD, MIRIAM ELSIE, ...*Group*, ———, 1910-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1910-11.

WARNER,* CASSANDRA UPDEGRAFF,
Hearer by Courtesy in English, 1910-11.
Bryn Mawr, Pa. Library Assistant, Bryn Mawr College, 1910-11.

WARREN, MARY EDWINA, ...*Group,* ———, 1910-11.
Chestnut Hill, Mass. Prepared by the Misses May's School, Boston, Mass.

WASHBURN, ELEANOR PHILLIPS, ...*Group,* ———, 1910-11.
Brooklyn, New York City. Prepared by the Brooklyn Heights Seminary, Brooklyn.

WATSON, LOUISE, ...*Group, Mathematics and Philosophy,* 1908-11.
Portsmouth, Va. Prepared by the Baldwin School, Bryn Mawr, Pa.

WELLES, CARLOTTA, ...*Group, Latin and French,* 1908-11.
Paris, France. Prepared by Villa Dupont, Paris, and by the Baldwin School, Bryn Mawr, Pa. Holder of Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1907-08.

WELLS, ELEANOR,
Hearer by Courtesy in English, German and History, 1910-11.
Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

WELLS, RUTH, ...*Group, Greek and English,* 1907-11.
Hanover, N. H. Prepared by the High School, Hanover.

WESTLING, CATHERINE LILLIE ....*Group,* ———, 1910-11.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

WESTON, DOROTHY VIVIAN, ...*Group,* ———, 1910-11.
Weston's Mills, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa.

WHITE, ANNE LINDSAY, ...*Group,* ———, 1910-11.
Evanston, Ill. Prepared by the Township High School, Evanston. Northwestern University, 1909-10.

WIENER, EDITH, ...*Group,* ———, 1910-11.
New York City. Prepared by Dr. Julius Sachs's School for Girls, New York City. Barnard College, 1909-10.

WILBUR, CONSTANCE CAROLINE,
Group, Mathematics and Geology, 1907-11.
Asbury Park, N. J. Prepared by the High School, Asbury Park.

WILLIAMS, KATHARINE DELANO,
Group, French and Italian and Spanish, 1909-11.
Dedham, Mass. Prepared by Miss Winsor's School, Boston, Mass.

WILLIAMS, MARGARET SANDERSON, ...*Group,* ———, 1910-11.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

WILLIAMS, MARY ALMIRA,
Group, Economics and Politics and Philosophy, 1907-11.
Indianapolis, Ind. Prepared by the Girls' Classical School, Indianapolis, and by the Misses Shipley's School, Bryn Mawr, Pa.

WILSON, HELEN ANDERSON, ...*Group, Geology and Chemistry,* 1909-11.
Paoli, Pa. Prepared by Miss Helen R. Potts, Swedeland, Pa., by Miss Child's College Preparatory Classes, Philadelphia, and by the Misses Kirk's School, Bryn Mawr, Pa.

WOLFF, DOROTHY SYBIL,
Group, Economics and Politics and Philosophy, 1908-11.
New York City. Prepared by the Finch School, New York City.

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* Mrs. C. U. Warner.

Wood, Agnes Penman,
Group, History and Economics and Politics, 1907-11.

Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

Woodin, Mary Louise, ...*Group,* ———, 1910-11.

New York City. Prepared by the Charlton School, New York City.

Yarnall, Emma, ...*Group, Latin and French,* 1907-11.

Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore, and by the Friends' Central School, Philadelphia.

Ziesing, Gertrude Lenore, ...*Group,* ———, 1909-11.

Glencoe, Ill. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

SUMMARY OF STUDENTS.

Class of 1911	62	
" " 1912	69	
" " 1913	91	
" " 1914	116	
Hearers	4	
		342
Resident Fellows	11	
Graduates	67	
		78
European Fellows		6
Total		426

BRYN MAWR COLLEGE.

Introductory Statement. Bryn Mawr College was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

Admission. Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Graduate Students. Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

Fellows and Scholars. The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European traveling fellowships, thirteen resident fellowships and twenty graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 70 to 72.

Undergraduate Students. Undergraduate students must have fulfilled the requirements for matriculation, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 59 to 67.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers. Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree.

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* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

Examination for Matriculation.

The examination for matriculation must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honorable dismissal from some college or university of acknowledged standing.*

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* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examinations of the college will be accepted, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The matriculation examination may not be taken in more than two divisions; but, if this rule be observed, candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the College Entrance Examination Board in the fourth week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination; in the case of a condition in

The examination for matriculation is open to those also who wish to take it as a test of proficiency in elementary studies, but have no intention of entering the college. Certificates are given to those who are successful in passing the examination.*†

French or German, however, the entire examination in the language must be taken, unless the condition is in *grammar only*, in which case it may be removed by passing the Bryn Mawr College examination in grammar; and in the case of a condition in English Composition incurred in the Bryn Mawr College examination the entire examination in English, *a* and *b* must be passed in order to remove the condition by passing the College Entrance Examination Board's examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the eight Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

TABLE OF EQUIVALENT EXAMINATIONS.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
Subjects.		*Subjects.*	*Sections.*
Mathematics: *a*, *i* and *ii*, Elementary Algebra, complete	=	Algebra	2
Mathematics: *c*,	=	Plane Geometry	2
Old requirements, Latin: *l*, New requirements, Latin: 1 and 6,	=	Latin Grammar and Prose Composition	1
Old requirements, Latin: *p*, New requirements, Latin: 4,	=	Latin Prose Authors	2
Old requirements, Latin: *q*, New requirements, Latin: 5,	=	Latin Poetry	1
English: *b*,	=	English Grammar	1
English: *a*,	=	English Composition	3
History: *a* or *c* or *d*,	=	Greek and Roman, or English, or American History	1
Physics, or Chemistry, or Botany, or Geography, or Zoology:	=	Science	1
Greek: *f*,	=	Greek Grammar and Composition	1
Greek: *g*,	=	Greek Prose Authors	1
Greek: *h*,	=	Greek Poetry	1
French: *a*, and combined examination (*bc*),	=	French Grammar and Translation	3
German: *a*, and combined examination (*bc*)	=	German Grammar and Translation	3

Examinations for Advanced Standing.

Mathematics: *d*,	=	Solid Geometry.
Mathematics: *e*,	=	Trigonometry.
No Equivalent	=	Minor Latin.

* Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

† For the eight competitive entrance scholarships, awarded annually, see page 78.

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held annually in the spring, autumn, and winter at Bryn Mawr College, and in the spring of the year may be held at other places; they are always held in the spring in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond and London (England). Candidates taking examinations at the above mentioned regular examination centres are charged a fee of five dollars for the whole or any part of the examination.

Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past seven years examinations have been held by request at the following places:

California: Berkeley, Los Angeles, Pasadena, San Francisco; Colorado: Denver; Connecticut: Greenwich, Washington; Georgia: Savannah; Indiana: Fort Wayne, Indianapolis; Iowa: Dubuque; Kentucky: Louisville; Massachusetts: Cambridge, Fall River; Michigan: Detroit; Minnesota: Minneapolis; Missouri: St. Louis; New Jersey: Princeton, Trenton; New York: Binghamton, Buffalo, New Rochelle, Rochester, Rye, Utica; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Carlisle, Harrisburg, Lititz, Pittsburgh, Scranton, Wilkes Barre; Rhode Island: Providence; Virginia: Richmond; Wisconsin: Fond du Lac, Madison, Milwaukee, and Washington, District of Columbia; France; Paris; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination at Bryn Mawr College must apply to the Secretary of the College at least two weeks before the date set for the beginning of the examinations and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars charged for each division of the examination. Candidates who do not apply *two weeks* before the date of the beginning of the examinations will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere than at Bryn Mawr College must apply to the Secretary of the College at least *six weeks* before the date set for the beginning of the examinations. Candidates who fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

Tabular Statement.—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all** the following subjects, counted as equivalent to twenty sections, must take the examination in not more than two divisions, and must pass not fewer than four sections in the first division and not fewer than fifteen sections in the two divisions. No candidate will be admitted to Bryn Mawr College if conditioned in more than five sections.

Subjects			*Sections.*
Algebra			2
Plane Geometry			2
Latin Grammar and Prose Composition			1
Latin Prose Authors			2
Latin Poetry			1
English Grammar			1
English Composition			3
History			1
Science			1
Greek Grammar and Prose Composition	1	Two of these three languages	6
Greek Prose Authors	1		
Greek Poetry	1		
German Grammar and Translation	3		
French Grammar and Translation	3		
			20

The number of sections allotted to each subject indicates approximately the time which should be devoted to preparation for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years since each counts as four sections of the examination; History and Science should each be studied for one year since each counts as one section; and the two languages (Greek and German, or Greek and French, or German and French) should each be studied for three years since each counts as three sections, or three-twentieths, of the examination.

The examination may not be taken in more than two divisions. In each division the candidate may offer any sections she pleases, provided that she offer in the first division a sufficient number of sections (at least four) to secure a certificate. If however French or German be selected, all the three sections grammar, and prose and verse translation must be offered in the same division.

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* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a reasonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated. In case a sufficient number of sections to secure admission be not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates that have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within twelve months after the student enters the college, under penalty of exclusion from full college work during the following year. A fee of three dollars is charged for each condition examination except conditions in spelling and punctuation for which the fee is one dollar. Students with entrance conditions in Greek, Latin, English, German, French, or Mathematics are not permitted to attend the college courses in these subjects until the conditions have been passed off. Conditions in history and science do not exclude students from college classes in these subjects.

Candidates desiring to enter with advanced standing *may* offer for examination before entrance the remaining language (either French, or German, or Greek,* whichever was not included by the candidate in the above twenty sections), and if this examination is not passed before entrance, the candidate must pass the matriculation examination in it before receiving the degree of Bachelor of Arts.†

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* Students that have not passed the matriculation examination in Greek may substitute for it the matriculation course in Greek or the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 48, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Livy, *Book xxi.*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin.

B. Horace, *Odes*, except *i.* 25, 27, 33, 36; *ii.* 5; *iii.* 6, 15, 20; *iv.* 1, 10, 13; *Epodes*, except 3, 5, 8, 11, 12, 15, 17; *Carmen Sæculare; Satires i.* 1, 5, 6, 9; *ii.* 6; *Epistles i.* 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section *A* and one in Section *B*, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† If this examination is not passed before the beginning of the student's third year in the college, she must enter the college class in the subject.

Candidates desiring to enter with advanced standing *may* offer for examination before entrance trigonometry* and solid geometry. These subjects are not necessarily included in the requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

Definition of Matriculation Subjects.

Mathematics.

I. **Mathematics.**—Algebra. (Counting as two sections.) Plane Geometry. (Counting as two sections.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential.

In Algebra, C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham), and in Geometry, Phillips and Fisher's *Elements of Geometry* (abridged edition) or Wentworth's *Geometry*, will serve to indicate the preparation required for these examinations.

Latin.

II. **Latin.**—Grammar and Composition. (Counting as one section.) Translation at sight of simple passages in Latin prose. (Counting as two sections.) Translation at sight of simple passages of Latin poetry. (Counting as one section.) Due allowance is made for unusual words, and there are questions testing the candidate's practical kowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Gallic War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*),Sallust (*Catiline* and *Jugurtha*), Vergil (*Aeneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Gallic War*, *I-IV*, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Aeneid*, *I-VI*. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

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* For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 50.

III. **History.**—The outlines of the History of Greece and Rome; *or* the outlines of the History of England; *or* the outlines of the History of the United States. (Counting as one section.) *History.*

Botsford's *History of Greece*, Botsford's *History of Rome*, Andrew's *History of England*, Cheyney's *A Short History of England*, and McLaughlin's *History of the American Nation*, or Adams and Trent's *History of the United States*, will serve to indicate the preparation required.

English.—English Grammar. (Counting as one section.) English Composition. (Counting as three sections.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English composition consists of a critical composition, and, in addition, in order that the three sections of the examination may not depend solely on this critical paper, of one or two paragraphs in which the candidate is asked to give in descriptive or narrative form the substance of important parts of the required reading. *English.*

In 1911 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II*, *Henry IV* (expurgated), *Henry V*, *Macbeth*, and *As You Like It;* Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael*, *Tintern Abbey*, "*Three years she grew in sun and shower*," *The Solitary Reaper*, "*O Nightingale!thou surely art*," "*The world is too much with us*," "*Earth has not anything to show more fair*," "*It is not to be thought of that the flood*"; Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais*, *Sensitive Plant*, and *To a Skylark;* Keats's *Eve of St. Agnes*, *Ode to Autumn*, and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Thackeray's *Henry Esmond.*

In 1912 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II*, *Henry IV* (expurgated), *Henry V*, *Macbeth*, and *The Merchant of Venice;* Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael*, *Tintern Abbey*, "*Three years she grew in sun and shower*," *The Solitary Reaper*, "*O Nighingale! thou surely art*," "*The world is too much with us*," "*Earth has not anything to show more fair*," "*It is not to be thought of that the flood*"; Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais*, *Sensitive Plant*, and *To a Skylark;* Keats's *Eve of St. Agnes*, *Ode to Autumn*, and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Thackeray's *Henry Esmond.*

In 1913 and 1914 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II*, *Henry IV* (expurgated), *Henry V*, and *The Merchant of Venice;* Milton's *Paradise Lost*, Books I and II; the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael*, *Tintern Abbey*, "*Three years she grew in sun and shower*," *The Solitary Reaper*, "*O Nightingale! thou surely art*," "*The world is too much with us*," "*Earth has not anything to show more fair*," "*It is not to be thought of that the flood*"; Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Ode to the West Wind*, *To a Skylark*, *To a Cloud*, and "*Swiftly walk over the Western Wave*"; Keats's *Eve of St. Agnes*, *Ode to Autumn*, and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Macaulay's *Life of Johnson;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Stevenson's *Kidnapped.*

The following books agreed on for the year 1911 by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States, will be accepted in that year as equivalents for the books prescribed for the English examinations of Bryn Mawr College: Chaucer's *Prologue;* Shakespeare's *Henry V*, *Macbeth*, and *The Merchant of Venice;* Milton's *L'Allegro*, *Il Penseroso*, *Lycidas*, and *Comus;* the *Sir Roger de Coverley Papers* in the *Spectator;* Palgrave's *Golden Treasury (first series) Book IV*, with special attention to Wordsworth, Keats, and Shelley; De Quincey's *Joan of Arc* and *The English Mail Coach;* Burke's *Speech on Conciliation with America;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Carlyle's *Essay on Burns;* Ruskin's *Sesame and Lilies;* Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and the *Passing of Arthur.*

In 1912, 1913 and 1914 Coleridge's *Ancient Mariner* must be added to and Milton's *Lycidas* omitted from this list; in 1913 and 1914 Macaulay's *Life of Johnson* must be added to and Carlyle's *Essay on Burns* omitted from this list; in 1914 Thackeray's *English Humorists* and Stevenson's *Inland Voyage* and *Travels with a Donkey* must be added to and De Quincey's *Joan of Arc* and *The English Mail Coach* and Ruskin's *Sesame and Lilies* omitted from this list.

The books prescribed for candidates taking the regular examinations for matriculation in any given year are required also of candidates taking the matriculation examination held in January of the year following. Candidates passing off conditions after admission to the college may offer the books prescribed in the examination in which the condition was imposed.

In preparing for this examination special attention should be given to paragraph-structure and sentence-structure. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for this division of the examination.

Science. **Science.**—The elements of one of the following sciences:—Physics, *or* Chemistry, *or* Botany, *or* Physiology, *or* Physical Geography. (Counting as one section.)

Carhart and Chute's *Elements of Physics*, or Mann and Twiss's *Physics;* Remsen's *Introduction to the Study of Chemistry* (Briefer Course); Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology;* Hough and Sedgwick's *Elements of Physiology*, or Fitz's *Physiology and Hygiene* will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

IV. Two of the following languages:

Greek. **Greek.**—Grammar and Composition. (Counting as one section.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia.* (Counting as one section.) Translation at sight of passages of average difficulty from Homer. (Counting as one section.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.

French.—Grammar and Composition. (Counting as one section.) This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire*, *craindre*, *paraître*, *partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

German.

German.—Grammar and Composition. (Counting as one section.) This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary German. Candidates should endeavour to acquire as large a vocabulary as possible; they are also advised to study the irregular nouns and verbs.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

Studies Leading to the Degree of Bachelor of Arts.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade

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*The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the fourth language, trigonometry, and solid geometry when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without attempting to pass off the conditions incurred. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination.

above that of "passed," that is, the grade of merit,* (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaintance with Latin. In the last year before graduation, oral examinations are held to test her ability to read French and German at sight. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;† she must have fulfilled the requirements of the department of athletics and gymnastics.

If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has offered for examination of the one hundred and twenty required for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year. She will be on probation during these two years and her work will be prescribed by a committee of the Faculty, the object being to enable her to improve the quality of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken will be permitted to hold office in any of the organisations of the college, to take part in entertainments requiring preparation, or to undertake any paid work.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

Required Studies.

Greek or French or German,‡ five hours a week for one year, when this subject has not been included in the examination for matriculation. Those students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.*

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* Since this merit law was enacted no student who has not fulfilled the requirements as above stated has received a degree.

† Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

‡ The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study.

English, five hours a week for two years.

Philosophy, five hours a week for one year.

Science, five hours a week for one year.

Science, or *History*, or *Economics and Politics*, or *Philosophy*, or *Mathematics*, five hours a week for one year.

Two Major Courses, of five hours a week for two years each, constituting one of the following Groups; any Language with any Language;† Comparative Literature with English, or Italian, or Spanish;† History with Economics and Politics; Economics and Politics with Philosophy; Archæology and History of Art with Greek or Latin; Philosophy with Greek, or English, or Mathematics, or Physics; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology; any Science with any Science.

Free Elective Courses.

Free Elective Courses, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective, without electing the group that includes it, and any courses open as free electives, may be chosen without taking the remainder of the minor course of which they may form a part.

Tabular Statement.

The studies required for a degree may for convenience be tabulated as follows:

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.‡
English. [*Two Courses.*]	Philosophy	Science: Physics, or Chemistry, or Geology, or Biology.	Science, or History, or Economics and Politics, or Philosophy, or Mathematics.	Matriculation French, or Matriculation German, or Matriculation Greek (or Minor Latin).*

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* A student choosing Latin as one of the languages of her Group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or German, or Italian, or Spanish.

† For the purpose of forming a Group, Italian and Spanish may count as one language, they may be combined so as to form a course of five hours a week for two years, as explained on page 124.

‡ The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek,

Two Major Courses (Five hours a week for Two Years Each).

Constituting any one of the following forty-three groups:

I—XX.
Any Language
with
any Language*
(Twenty Groups).

XXI.
Comparative
Literature
with
English.

XXII.
Comparative
Literature
with
Italian.

XXIII.
Comparative
Literature
with
Spanish.

XXIV.
Comparative
Literature
with
Italian and
Spanish.*

XXV.
History with
Economics and
Politics.

XXVI.
Economics and
Politics with
Philosophy.

XXVII.
Philosophy
with
Greek.

XXVIII.
Philosophy
with
English.

XXIX.
Philosophy
with
Mathematics.

XXX.
Philosophy
with
Physics.

XXXI.
Archæology and
History of Art
with
Greek.

XXXII.
Archæology and
History of Art
with
Latin.

XXXIII.
Mathematics
with
Greek.

XXXIV.
Mathematics
with
Latin.

XXXV.
Mathematics
with
Physics.

XXXVI.
Mathematics
with
Chemistry.

XXXVII.
Mathematics
with
Geology.

XXXVIII—XLIII.
Any Science
with
any Science
(Six Groups).

French, or German; attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the beginning of the junior year.

* For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years, as explained on page 124.

Free Elective Courses.

Ten hours a week for one year in any subject, or subjects, the student may elect.

The Group System.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

Major Course.

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English, philosophy, science, (or, if a second year of science be not elected, history, or economics and politics, or philosophy, or mathematics) are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

Required Courses.

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

Post-major Courses. In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

Free Elective Courses. All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being properly included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes.

CLASSICS. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, *or* Art and Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, *or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Mathematics). *As a Group*, German and French, *or* German and Italian and Spanish, *or* French and Italian and Spanish. *As Free Electives*, Italian and Spanish, *or* Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, *or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy). *As a Group*, Greek and English, *or* Latin and English, *or* English and German, *or* English and French, *or* English and Italian and Spanish, *or* English and Spanish, *or* English and Comparative Literature, *or* English and philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Physics, another Science, (*or* Post-major Mathematics, *or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics). *As a Group*, Mathematics and Greek, *As Free Electives*, Trigonometry, Post-major Mathematics, and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Chemistry, another Science, (Geology, *or* Biology), *or* Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Trigonometry, Post-major Mathematics, and Post-major Physics, ten hours a week for one year.

HISTORY. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, another Science, (*or* Oriental History, *or* Post-major History, *or* Economics and Politics, *or* Minor Philosophy, *or* Mathematics). *As a Group*, History and Economics and Politics. *As Free Electives*, Post-major History and Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Post-major Philosophy, ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics). *As a Group*, English and Philosophy. As *Free Electives*, Post-major Philosophy and Comparative Literature, ten hours a week for one year.

PHILOSOPHY (with Economics and Politics, *or* with Mathematics, *or* with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History). *As a Group*, Philosophy with Economics and Politics, *or* with Mathematics, *or* with Physics. *As Free Electives*, Post-major Economics, *or* Mathematics, *or* Physics, ten hours a week for one year.

ARCHÆOLOGY AND ART (with Greek). *As Required Studies*, [Matriculation French *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Biology, *or* Geology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Philosophy, *or* Mathematics). *As a Group*, Greek and Archæology and Art. *As Free Electives*, Post-major Archæology and Art, Post-Major Greek, *or* Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics, *or* Elective Mathematics). *As a Group*, Physics and Chemistry, *or* Physics and Geology, *or* Physics and Biology, *or* Chemistry and Geology, *or* Chemistry and Biology, *or* Geology and Biology. *As Free Electives*, Mathematics and Physics, *or* Chemistry, *or* Geology, *or* Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor Physics, Major Physics, *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Biology and Post-major Chemistry, *or* Minor Latin, (if not taken as a required study) ten hours a week for one year.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, economic, or a scientific or language group.

I. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, Mediæval History. *As a Group*, any Language with any language, *or* Chemistry and Biology. *As Free Electives.* Modern History, five hours a week for one year, and Post-major History five hours a week for one year.

II. *As above*, but for Mediæval History substitute Minor Economics and Politics, and for Modern History, Major Economics and Politics, and for Post-major History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Physics and Chemistry, *or* Geology, *or* Biology. *As a Group*, any Language with any Language. *As Free Electives*, Major and Post-major Physics *or* Chemistry, *or* Geology, *or* Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Mediæval, *or* Oriental History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics, *or* Elective Mathematics). *As a Group*, Greek and Latin, *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work.

The studies leading to the degree of Bachelor of Arts, may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and essay work in their first and second years in the college because they are required to complete this work before entering the major course in English; again, a student choosing philosophy and English as her major studies must take the general course in philosophy in her first year if she wishes to elect all the minor and major courses in English literature. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work

Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work, and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes, and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered before the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. It is impossible for a student to reduce the length of the college course by one year unless she enters with knowledge considerably in advance of that required by the entrance examinations; otherwise the student will not be permitted to undertake the extra work which is too much to be accomplished during the summer vacations. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College, and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The Degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and of one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the proposed combination of major and minor subjects must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to the prescribed model, in the office of the Secretary of the College. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

European Traveling Fellowships.

The Bryn Mawr European Fellowship of the value of $500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of $500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of $500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of $700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

Resident Fellowships.

Twelve resident fellowships, of the value of $525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, History or Economics and Politics, Philosophy, Archæology, Mathematics, Physics, Chemistry, and Biology. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

A Research Fellowship in Chemistry of the value of $750 was founded in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The holder is required to reside at Bryn Mawr College for one year and to assist the head of the Department of Chemistry in research work.

Duties of Resident Fellows.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

Resident Graduate Scholarships.

Twenty Graduate Scholarships, of the value of $200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

One Graduate Scholarship in Political Theory of the value of two hundred and fifty dollars was founded in 1910 in memory of Susan B. Anthony. It is awarded under the same conditions as the graduate scholarship just mentioned.

Scholarships for British and German Women.

Ten Graduate Scholarships, of the value of $405 each, were founded in 1909, five for English, Scotch, or Irish women, and five for German women, and are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar.

Duties of Resident Scholars.

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

Applications for Resident Fellowships and Scholarships

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants.

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* In the case of candidates for the Scholarships open to British and German women applications must be received by April the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany.

A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

Tuition for Graduate Students.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

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* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 73 are charged in addition to the charge for tuition.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

Residence for Graduate Students.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. In other cases the deposit will be forfeited.

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* Rugs and towels must be furnished by the students themselves. Graduate students will, on request, be supplied with rugs.

For graduate students the fees are as follows:

Summary of Expenses for Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures	$ 10.00
For two hours a week of lectures	$ 20.00
For three hours a week of lectures	$ 30.00
For four or five hours a week of lectures	$ 40.00
For six or more hours a week of lectures	$ 62.50
Room-rent for the academic year, payable on registration	$ 75.00
Board for the semester payable on registration	$100.00

Students whose fees are not paid within one month of the date fixed are not permitted to continue in residence or in attendance on their classes.

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures	$125.00
Room-rent	$ 75.00
Board	$200.00
Infirmary fee	$ 5.00
Total for tuition, residence, and infirmary care for the academic year	$405.00
Laboratory fees for the academic year	$10 to $36

Tuition for Undergraduate Students.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.† The average cost of teaching each undergraduate student is three hundred and fifty dollars a year. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional one hundred and fifty dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of two hundred dollars can be made on account of absence, illness, or for any other reason whatsoever.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

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* See footnote, page 72.

† Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

Residence for Under-graduate Students.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighborhood. The expense of board and residence in the college halls for undergraduate students is three hundred dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred or three hundred and seventy-five dollars. Of this charge two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.*

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the Physicians of the College. See page 174 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since every room unnecessarily reserved may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded in the following cases:

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*Rugs and towels must be furnished by the students themselves.

a. If an applicant who is a student of the college gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of May preceding the academic year for which the application is made.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College that she wishes to withdraw her application before the fifteenth of July preceding the academic year for which the application is made.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of December preceding the semester for which the application is made.

In all other cases the deposit will be forfeited to the college.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year;

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* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room in February will, with the above exceptions, be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, this right being reserved exclusively by the college, no refund being made to the applicant in case the room or suite of rooms thus left vacant are relet. Every student who changes her room is required to pay an extra fee of fifteen dollars.

In case of prolonged illness and absence from the college extending over six weeks or more, there will be a proportionate reduction in the charge for board.

Rooms are assigned to the entering class during the summer preceding the academic year for which application is made. No particular room or set of rooms may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about $8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

No charge is made for sending meals to students that are in the infirmaries by the order of the physicians of the college.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at $1.25 a day or $8.75 a week for graduate, and $1.50 a day or $10.50 a week for undergraduate students.

Students who expect to spend any part of the Christmas or Easter vacations in Bryn Mawr, Philadelphia, or the immediate neighborhood, not in their own homes and not in the college halls of residence, are required to consult the Secretary in regard to the arrangements that they wish to make.

Summary of Expenses for Undergraduate Students.

For undergraduate students the fees are as follows:

Tuition for the academic year, payable October 1st	$200.00
Room-rent for the academic year, payable October 1st	$100.00*
or $175, $200, $225, $250, $275, $300, $325, $350, $400, depending on the room or rooms occupied.	
Infirmary fee for the academic year, payable October 1st	$ 5.00
Board for the academic year, payable in equal instalments, October 1st and February 1st	$200.00
Total for tuition, residence and infirmary fee for the academic year with minimum room-rent	$505.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year	$ 10.00
For laboratory course of four or more hours a week for the academic year	$ 20.00
Graduation fee	$ 20.00

Students whose fees are not paid within one month of the date fixed are not permitted to continue in residence or in attendance on their classes.

Loan Fund.

The Students' Loan Fund of Bryn Mawr College was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnæ Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnæ Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Mary Taylor Mason, School House Lane, Germantown, Philadelphia; Mrs. Bernard Todd Converse, Ardmore, Pa., Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia, and Miss Katherine Leonard Howell, 3307 Hamilton Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before April 20th, of the preceding academic year.

Scholarships.

Scholarships.—Eight competitive entrance scholarships, four of the value of $300 and four of the value of $200, were founded by the College in 1896. They are awarded annually to candidates receving their final certificates in the spring matriculation examinations of Bryn Mawr College, a first scholarship of the value of $300 and a second of the value of $200 being open to candidates from each of the following districts:—(*a*) The New England States; (*b*) New York, New Jersey, and Delaware; (*c*) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (*d*) Pennsylvania and all places not included in (*a*), (*b*), and (*c*). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for the first scholarship who has received more than two conditions in the twenty sections of the examination, and no one is eligible for the second scholarship who has received more than four conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

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* In about one-sixth of the college rooms the rent is $100, making the cost of board, residence, and tuition for undergraduate students $500; but students desiring to apply for rooms at $100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

Eight scholarships for non-resident students of $200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnæ Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of $200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of $200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of $200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the eight competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of $200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of $400 each, for one year, are open to those graduates of Earlham, Penn, and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Four scholarships of $500 each, renewable for four consecutive years, were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships, two in number, each of the value of $250 for one year, were founded in 1897 by the Alumnæ Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than ten and not more than twenty-two and a half hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than thirty-seven and a half hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed $150. The nominating committee consists of the President of Bryn Mawr College, two members of the Academic Council of the College, appointed annually by the Council, the President of the Alumnæ Association of Bryn Mawr College and three other members of the Alumnæ Association appointed by the executive committee of the Alumnæ Association. Applications for the scholarships should be addressed to the Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of $160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this Scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of $200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of $200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of $100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnæ and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

A special Thomas H. Powers Memorial Scholarship of the value of $200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The George W. Fetter Memorial Scholarship of the value of $200 was given in 1911 by Mrs. George W. Fetter in memory of her husband. It is awarded to a student selected by the donor subject to the approval of the President and Faculty of the College and is renewable for four consecutive years if the holder's record prove satisfactory.

The Elizabeth Duane Gillespie Scholarship in American History of the value of $60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

Foundation of Scholarships.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

FORM OF BEQUEST.

I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of..............................to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

....

Dated....................

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* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

INSTRUCTION.

Libraries. The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-five years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about sixty-two thousand bound volumes, and ten thousand doctor's dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 92 and 130.

The books needed principally for graduate and research work are shelved in the fourteen seminary libraries and the books on physics, chemistry, geology and biology in the departmental libraries in Dalton Hall adjoining the laboratories in these subjects. The books of reference, sets of periodicals, and proceedings of societies and the main collection of the library are kept in the stack room.

In each of the six halls of residence are collections of from five to six hundred volumes each, consisting of books useful to undergraduate students, not only supplementing their private libraries, but duplicating such books in the general library as are most used. A seventh collection of this character is kept in the main library for the use of non-resident students.

Students may take from the general and departmental libraries for periods of two weeks each, any books except reference books and books reserved for special use. Books in the hall libraries and books reserved for special use may be taken for two hours.

The sum of about five thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Academy.
American Magazine.
Annales Politiques et Littéraires.
Athenæum.
Atlantic Monthly.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.
Bookman.
Bookman (English).
*Book News Monthly.
Bookseller.
*Bryn Mawr Alumnæ Quarterly.
Bulletin of Bibliography.
*Bulletin of the New York Public Library.
Century.
Collier's.
*Columbia University Quarterly.
Contemporary Review.
Country Life in America.
La Cultura.
Cumulative Book Index.
Deutsche Rundschau.
Dial.
Everybody's Magazine.
Fortnightly Review.
Forum.
Göttingische Gelehrte Anzeigen.
Harper's Monthly Magazine.
Harper's Weekly.
Harvard Graduate Magazine.
Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.
Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
*Johns Hopkins University, Circulars.
Library Journal.
McClure's Magazine.
Mercure de France.
Mind and Body.
*Monthly Bulletin of the Carnegie Library of Pittsburgh.
Münchener allgemeine Zeitung.
Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
Nation.
Nationale Deutschland.
Neue Rundschau.
Nineteenth Century.
North American Review.
Notes and Queries.
Nuova Antologia.
Outlook.
*Pennsylvania Library Notes.
Preussische Jahrbücher.
Publishers' Weekly.
Punch.
Quarterly Review.
Reader's Guide to Periodical Literature.
Review of Reviews.
Revue Critique d'Histoire et de Littérature.
Revue de Paris.
Revue des Deux Mondes.
Revue Politique et Littéraire: Revue Bleue.
Saturday Review.
Scribner's Magazine.
Spectator.
Der Türmer.
*Tipyn o' Bob.
*University of Colorado, Studies.
*University of Nebraska, Studies.
*University of Washington, Studies.
Westminster Review.
Die Woche.
World's Work.

Newspapers.

*Bryn Mawr Record.
New York Evening Post.
New York Times.
New York Tribune.
Philadelphia Public Ledger.

Art and Archæology.

American Journal of Archæology.
Bulletin de Correspondance hellénique.
*Bulletin of the Metropolitan Museum of Art. New York.
Burlington Magazine.

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*Presented by the Publishers.

Ephemeris Archaiologike.
Gazette des Beaux Arts.
Jahrbuch des Kaiserlich deutschen archäologischen Instituts.
Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
Jahreshefte des österreichischen archäologischen **Institutes in** Wien.
Journal of Hellenic Studies.
Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
*Museum of Fine Arts Bulletin, Boston.
Revue Archéologique.
Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
Allgemeines statistisches Archiv.
American Federationist.
American Journal of Sociology.
American Political Science Review.
Annals of the American Academy of Political and Social Science.
Bibliographia Economica Universalis.
Bibliography of Social Science.
*Bulletin of the New York State Department of Labor.
*Bulletin of the University of Wisconsin, Economics and Political Science Series.
*City Club Bulletin.
Columbia Law Review.
*Daily Consular Trade Reports.
Economic Journal.
Economic Review.
Equity Series.
Harvard Law Review.
International Socialist Review.
Jahrbücher für Nationalökonomie u. Statistik.
Johns Hopkins University Studies in Historical and Political Science.
Journal of Political Economy.
Journal of the Royal Statistical Society.
Political Science Quarterly.
Publications of the American Economic Association.
Publications of the American Statistical Association.
Quarterly Journal of Economics.
Revue Bibliographique.
*Southern Workman.
Survey.
*University of Missouri Studies, Social Science Series.
*University of Pennsylvania Publications, Series in Political Economy and Public Law.
Vierteljahrschrift für Philosophie u. Soziologie.
*Visiting Nurse Quarterly.
Yale Review.
Zeitschrift für Socialwissenschaft.
Zeitschrift für Volkswirtschaft, Social-politik u. Verwaltung.

Education.

Education.
Educational Review.
Educational Times.
Elementary School Teacher.
Journal of Educational Psychology.
Journal of Pedagogy.
*Journal of the Association of Collegiate Alumnæ.
Lehrproben and Lehrgänge.
Pedagogical Seminary.
Revue Internationale de l'Enseignement Supérieur.
Revue Universitaire.
School Review.
*University of California Publications, Education.

History.

American Historical Review.
*Bulletin of the University of Wisconsin, History Series.
English Historical Review.
Historische Vierteljahrschrift.
Historische Zeitschrift.
*Illinois State Historical Society Journal.

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*Presented by the Publishers.

Klio, Beiträge sur alten Geschichte.
Pennsylvania Magazine of History.
Revue des Questions Historiques.
Revue Historique.
*University of Pennsylvania Publications, Series in History.
*University of Toronto Studies, History and Economics.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
Classical Journal.
Classical Philology.
Classical Quarterly.
Classical Review.
Classical Weekly.
Harvard Studies in Classical Philology.
Hermes.
Mnemosyne.
Le Musée Belge, Revue de Philologie Classique.
Philologische Untersuchungen.
Quellen und Forschungen zur lateinischen Philologie.
Revue de Philologie.
Revue des Etudes Grecques.
Rheinisches Museum für Philologie.
Rivista di Filologia.
Studi Italiani di Filologia Classica.
Studi Storici per l'Antichita Classica.
Wiener Studien, Zeitschrift für classische Philologie.
Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
Berliner philologische Wochenschrift.
Eranos.
Indogermanische Forschungen.
Journal of Philology.
Memoires de la Société Neo-philologique à Helsingfors.
Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
Transactions of the American Philological Association.
*University of Pennsylvania Publications, Series in Philosophy and Literature.
Zeitschrift für das Gymnasialwesen.
Zeitschrift für die österreichischen Gymnasien.
Zeitschrift für vergleichende Literaturgeschichte.
Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
Anglistische Forschungen.
Annales de la Société Jean-Jacques Rousseau.
Annales Romantiques.
Archiv für das Studium der neueren Sprachen.
Archivio Glottologico Italiano.
Arkiv for Nordisk Filologi.
Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
Beiträge zur Geschichte der deutschen Sprache und Literatur.
Bonner Studien zur englischen Philologie.
British Society of Franciscan Studies.
Bulletin de la Société des Anciens Textes Français.
Bulletin hispanique.
Chaucer Society, Publications (Both series).
Deutsche Literaturzeitung.
Dialect notes.
Early English Text Society Publications (Both series).
Englische Studien.
Euphorion.
German American Annals.
Germanisch-romanische Monatsschrift.
Giornale Dantesco
Giornale Storico della Letteratura Italiana.
Goethe Jahrbuch.

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*Presented by the Publishers.

Jahrbuch der deutschen Shakespeare Gesellschaft.
Jahrbuch des Vereins für niederdeutsche Sprachforschung.
Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
Journal of German Philology.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
Literarische Echo.
Literarisches Centralblatt.
Literaturblatt für germanische und romanische Philologie.
Le maître Phonétique.
Modern Language Notes.
Modern Language Review.
Modern Philology.
Münchener Beiträge zur romanischen und englischen Philologie.
Palaestra.
Poet-lore.
Praeger deutsche Studien.
Publications of the Modern Language Association.
Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
Rassegna Bibliografica.
Revue d'Histoire Littéraire de la France.
Revue des Etudes Rabelaisiennes.
Revue Germanique.
Revue Hispanique.
Romania.
Romanische Forschungen.
Schriften der Goethe Gesellschaft.
Scottish Text Society Publications.
Société des anciens textes français, Publications.
Société des textes français modernes, Publications.
Studi Medievali.
Wiener Beiträge zur englischen Philologie.
Zeitschrift für den deutschen Unterricht.
Zeitschrift für deutsche Philologie.
Zeitschrift für deutsches Altertum und deutsche Litteratur.
Zeitschrift für französische Sprache und Litteratur.
Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
Jewish Quarterly Review.
Proceedings of the Society of Biblical Archæology.
Recueil d'archæologie orientale.
Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
Zeitschrift für ägyptische Sprache und Altertumskunde.
Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
Année Psychologique.
Archiv für die gesamte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.
Archives de Psychologie.
British Journal of Psychology.
Bulletin de l'Institut Psychologique.
International Journal of Ethics.
Journal de Psychologie.
Journal für Psychologie und Neurologie.
Journal of Philosophy, Psychology and Scientific Methods.
Mind.
Monist.
Philosophical Magazine.
Philosophical Review.
Psychological Bulletin.
Psychological Review.
Psychological Review; Monograph Supplements.
Psychological Review; Psychological Index.
Psychologische Arbeiten.
Psychologische Studien.
Revue de l'Hypnotisme.

Revue de Metaphysique.
Revue Philosophique.
*University of California Publications, Philosophy.
*University of Toronto Studies, Psychology Series.
Vierteljahrsschrift für wissenschaftliche Philosophie.
Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1 abt., Zeitschrift für Psychologie. 2 abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
American Journal of Religious Psychology and Education.
American Journal of Theology.
†Association Monthly.
†Australasian Intercollegian.
*Baptist Missionary Magazine.
†Bible Student and Teacher.
Biblical World.
Bibliotheca Sacra.
*Deaconess Advocate.
†Deutsche christliche Studenten-Bewegung-Mitteilungen.
†Evangel.
Expositor.
Expository Times.
*Friends' Missionary Advocate.
*Hartford Seminary Record.
Harvard Theological Review.
†Herald of Gospel Liberty.
†Intercollegian.
Journal of Biblical Literature.
Journal of Theological Studies.
†Medical Missionary.
†Missionary Review.
Proceedings of the Society of Biblical Archæology.
*Publications of the American Jewish Historical Society.
†Record of Christian Work.
Religious Education.
Revue Biblique.
*Spirit of Missions.
†Student Movement.
*Washington Chapel Chronicle.
*Woman's Missionary Friend.
†Young Women of Canada.

Science, Biology.

American Journal of Anatomy.
American Journal of Physiology.
American Naturalist.
Anatomischer Anzeiger.
Archiv für Anatomie und Physiologie.
Archiv für die gesammte Physiologie.
Archiv für Entwicklungsmechanik der Organismen.
Archiv für mikroskopische Anatomie.
Archiv für Protistenkunde.
Bibliographia Physiologica.
Biologisches Centralblatt.
Biometrika.
Botanische Zeitung. 1. Abtheilung.
Botanische Zeitung. 2. Abtheilung.
Botanisches Centralblatt.
*Brown University, Contributions from the Biological Laboratory.
Centralblatt für Physiologie.
*Illinois State Laboratory of Natural History Bulletin.
Jahrbücher für wissenschaftliche Botanik.
Journal de Physiologie.
Journal of Experimental Zoology.
Journal of Physiology.
Journal of the Royal Microscopical Society.
Mittheilungen aus der Zoologischen Station zu Neapel.
Quarterly Journal of Microscopical Science.
*University of California Publications, Physiology.
*University of California Publications, Zoology.
*University of Pennsylvania, Contributions from the Botanical Laboratories.
*University of Pennsylvania, Contributions from the Zoological Laboratories.
*University of Toronto Studies, Biological Series.
University of Toronto Studies, Physiological Series.
Zeitschrift für wissenschaftliche Zoologie.
Zoologischer Anzeiger.

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*Presented by the Publishers.

†In Christian Union Library.

Science, General.

American Journal of Science.
Atti della Reale Accademia della Scienze di Torino.
Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.
*Bulletin of the University of Wisconsin, Engineering Series.
*Bulletin of the University of Wisconsin, Science Series.
Comtes Rendus des Séances de l'Académie des Sciences.
Elisha Mitchell Scientific Society Journal.
*Kansas University, Science Bulletin.
Nature.
*New York State Museum Bulletin.
*Oklahoma University Research Bulletin.
Philosophical Transactions of the Royal Society of London.
Popular Science Monthly.
Proceedings of the American Philosophical Society.
Proceedings of the Royal Society of London.
Science.
*Technology Review.
*University of Missouri Studies, Science Series.
Verhandlungen der physikalisch-medicinischen Gesellschaft zu Würzburg.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
Economic Geology.
Geographical Journal.
Geological Magazine.
Geologisches Centralblatt.
*Georgia Geological Survey Bulletin.
*Illinois Geological Survey Bulletin.
Journal of Geography.
Journal of Geology.
Meteorologische Zeitschrift.
Mineralogical Magazine.
Mineralogische und petrographische Mittheilungen.
National Geographic Magazine.
Neues Jahrbuch für Mineralogie, Geologie und Palæontologie.
Philadelphia Geographical Society Bulletin.
Quarterly Journal of the Geological Society.
*U. S. Monthly Weather Review.
*University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
American Chemical Journal.
American Journal of Mathematics.
Annalen der Chemie.
Annalen der Physik.
Annales de Chimie et de Physique.
Annales de la Faculté des Sciences de l'Université de Toulouse.
Annales Scientifiques de l'Ecole Normale Supérieure.
Annali di Matematica.
Astrophysical Journal.
Beiblätter zu den Annalen der Physik.
Berichte der deutschen chemischen Gesellschaft.
Bibliotheca Mathematica.
Bollettino di Bibliografia e Storia delle Scienze Matematiche.
Bulletin de la Société Mathématique.
Bulletin des Sciences Mathématiques.
Bulletin of the American Mathematical Society.
Giornale di Matematiche.
Jahrbuch über die Fortschritte der Mathematik.
Jahresbericht der deutschen mathematiker Vereinigung.
Jahresbericht über die Fortschritte der Chemie.
Journal de Mathématiques.
Journal de Physique.
Journal für die reine und angewandte Mathematik.
Journal für praktische Chemie.
Journal of the Chemical Society.
Mathematische Annalen.
Messenger of Mathematics.
Monatshefte für Chemie.
Physical Review.

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*Presented by the Publishers.

Physikalische Zeitschrift.
Proceedings of the London Mathematical Society.
Quarterly Journal of Mathematics.
Rendiconti del Circolo Matematico di Palermo.
Science Abstracts.
Transactions of the American Mathematical Society.
*U. S. Bureau of Standards Bulletin.
*University of Pennsylvania Publications, Astronomical Series.
*University of Toronto Studies, Papers from the Chemical Laboratories.
*University of Toronto Studies, Papers from the Physical Laboratories.
Zeitschrift für anorganische Chemie.
Zeitschrift für Elektrochemie.
Zeitschrift für Mathematik und Physik.
Zeitschrift für physikalische Chemie.

The library is open daily from eight A.M. to ten P.M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company,* which contains about 232,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, $12 a year, or $10 for nine months.

The *Mercantile Library,* which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, $5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences,* which contains about 68,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania,* which contains about 314,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia,* which contains about 367,000 volumes and 89,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library,* which contains about 53,000 volumes, admission by card.

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*Presented by the Publishers.

The *Historical Society of Pennsylvania Library,* which contains over 80,000 volumes, and 200,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Courses of Study.

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Comparative Literature, History, Economics and Politics, Philosophy, Archæology and History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, Education, Meteorology and Oceanography.

Graduate courses are offered in Sanskrit, and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Comparative Literature, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Philosophy, Experimental Psychology, Education, Classical Archæology, History of Art, and Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, Physiology, and Physiological Chemistry.

Courses in Language and Literature.

The courses in language and literature are meant, first of all, to be complete in themselves, and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Lectures.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; and, therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

Courses of Instruction.

The undergraduate and graduate courses offered in the years 1910-11 and 1911-12 are as follows:

Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. F. Warren Wright, Miss Abby Kirk, and Miss Frances D'Arcy Thompson.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of an instructor whose appointment will be announced later

GRADUATE COURSES.

Graduate Courses.

Lectures on Comparative Philology and Philological Seminary. *Two hours a week throughout the year.*

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the last years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit. *Two hours a week throughout the year.*

Whitney's *Grammar* and Lanman's *Reader* are used.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule be given in the same year.

Advanced Sanskrit. *One hour a week throughout the year.*

Lectures are given on the phonology and morphology of Sanskrit. The study of Lanman's *Reader* is continued and Kālidāsa's *Šakuntala*, Act I. is read.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-five hours of lectures and recitations a week apart from courses in Classical Art and Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and five hours a week of graduate work.

Matriculation Course.

A course of five hours a week throughout the year is provided for those students that wish to study Greek, and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students that wish may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

Major Course.

FIRST YEAR.

(*Minor Course.*)

1st Semester. (*Given in each year.*)

Plato, *Apology*, *Crito*, Dr. Sanders.	*Two hours a week.*
Greek Prose Composition, Dr. Sanders.	*One hour a week.*
Homer, *Odyssey*, Dr. Wright.	*Two hours a week*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1–475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1–728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, Dr. Sanders.	*Two hours a week.*
Greek Prose Composition, Dr. Sanders.	*One hour a week.*
Homer, *Iliad*, Dr. Wright.	*Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1–1080 and 1218–1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476–961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Demosthenes, Dr. Sanders. *Two hours a week.*

Aristophanes, *Frogs*, Dr. Sanders. *One hour a week.*

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright. *Two hours a week.*

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

Private reading: Æschylus, *Prometheus Vinctus*, ll. 1 to end must be read by students taking the five-hour course: Æschylus, *Persæ*, ll. 1–680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus*, ll. 1–436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

2nd Semester.

Æschylus, *Agamemnon*, Dr. Sanders. *Two hours a week.*

Sophocles, *Œdipus Rex*, Dr. Sanders. *One hour a week.*

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright. *Two hours a week.*

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Æschylus and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: Æschylus, *Persæ*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 681 to end must be read by students taking the courses in Æschylus and Sophocles, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus*, ll. 437–876 must be read by students taking the course in Greek literature, omitting the courses in Æschylus and Sophocles. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

Group: Greek with any language, *or* with Philosophy, *or* with Archæology and Art, *or* with Mathematics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Minor courses, amounting to six hours a week which may be taken as free electives, are offered in Classical Archæology and the History of Art. See pages 148 to 149.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1910-11 the following post-major courses are offered.

1st Semester.

Minor Orations of the Attic Orators, Dr. Sanders.	*Two hours a week.*
Sophocles, *Antigone*, Dr. Sanders.	*One hour a week.*
Menander and Bucolic Poets, Dr. Wright.	*Two hours a week.*

2nd Semester.

Æschylus, *Agamemnon*, Dr. Sanders.	*One hour a week.*
Thucydides, Dr. Sanders.	*One hour a week.*
Euripides, *Bacchæ*, Dr. Sanders.	*One hour a week.*
Herondas and Sophocles, *Ajax*, Dr. Wright.	*Two hours a week.*

In 1911–12 the following post-major courses are offered:

1st Semester.

Plato, *Phædrus* and *Protagoras*, Dr. Sanders.	*Two hours a week.*
Sophocles, *Trachiniæ*, Dr. Sanders.	*One hour a week.*
Theocritus, Dr. Wright.	*Two hours a week.*

2nd Semester.

Melic Poets, or Euripides, *Orestes*, Dr. Sanders.	*One hour a week.*
Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing, Dr. Sanders.	*One hour a week.*
Euripides, *Heracles*, Dr. Sanders.	*One hour a week.*
Lucian, Dr. Wright.	*Two hours a week.*

In 1912–13 the following post-major courses are offered:

1st Semester.

Æschylus, *Oresteia*, Dr. Sanders.	*Two hours a week.*
Aristophanes, *Acharnians*, *Knights*, Dr. Sanders.	*One hour a week.*
Menander and Bucolic Poets, Dr. Wright.	*Two hours a week.*

2nd Semester.

Pindar and Bacchylides, Dr. Sanders.	*Two hours a week.*
Sophocles, *Electra*, or Euripides, *Electra*, Dr. Sanders.	*One hour a week.*
Herondas and Sophocles, *Ajax*, Dr. Wright.	*Two hours a week.*

GRADUATE COURSES.

Graduate Courses.

Five hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The seminary subjects in Greek are varied from year to year in two series; Attic Tragedy, Orators, and Historians, and the Homeric Question, Menander, Plato, and Aristophanes, in order that they may be pursued by a student for several consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and vice versa, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in comparative philology is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see pages 149–150.

Greek Seminary, Dr. Sanders. *Three hours a week throughout the year.*

(Given in each year.)

In 1910–11 the main subject of the seminary is the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1911–12 the subject of the seminary is Attic Tragedy. The work of the seminary in textual criticism is devoted to the editing of Euripides's *Orestes*, while the special work will be devoted to the plays bearing on the Orestes myth. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1912–13 Greek orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

Greek Seminary, Dr. Wright. *Two hours a week throughout the year.*

(Given in each year.)

In 1910–11 the subject of the seminary is Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1911–12 the seminary will be on Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic, Theætetus, Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1912–13 the subject of the seminary in the first semester is Menander. A thorough study of all the extant fragments of Menander is made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

In the second semester the subject of the seminary is the Homeric Question, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank,* Associate Professor of Latin, Dr. F. Warren Wright, Lecturer in Latin, and Miss Frances D'Arcy Thompson, Reader in Latin. The instruction offered in Latin covers twenty-four hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; eight hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

FIRST YEAR.

(*Minor Course.*)†

Major Course.

1st *Semester.* (*Given in each year.*)

Livy, *Books xxi* and *xxii*, Dr. Wheeler.	*Two hours a week.*
Latin Prose Composition, Dr. Wheeler.	*One hour a week.*
Horace, *Odes*, Dr. Frank.	*Two hours a week.*

(May be taken as a free elective.)

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* Granted leave of absence for the year 1910–11. The courses offered by Dr. Frank are given by Dr. F. W. Wright during this year.

† For regulations regarding the passing off of the Minor Latin, see footnote, page 53. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

Private reading: Stories from Gellius (first half) must be read by students taking the courses in Livy and Latin Prose Composition; Sallust, *Catilina* (first half) must be read by students taking the course in Horace. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

2nd Semester.

Cicero, *Letters*, Dr. Wheeler. *Two hours a week.*

Latin Prose Composition, Dr. Wheeler. *One hour a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank. *Two hours a week.*

(May be taken as a free elective.)

Private reading: Stories from Gellius (second half) must be read by students taking the courses in Cicero and Latin Prose Composition; Sallust, *Catilina* (second half) must be read by students taking the course in Horace. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Tacitus, *Annals*, Dr. Wheeler. *Three hours a week.*

The reading is devoted chiefly to those parts of *Books i–vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Lectures on Latin Literature, Dr. Frank. *Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts and translations of the most important authors and extensive reading is required.

Private reading: Cicero, *De Senectute* (first half) must be read by students taking the course in Tacitus; Tacitus, *Agricola* (first half) must be read by students taking the course in Latin Literature. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

2nd Semester.

Latin Comedy, Plautus and Terence, Dr. Wheeler. *Three hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Lectures on Latin Literature (continued), Dr. Frank. *Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Cicero, *De Senectute* (second half) must be read by students taking the course in Latin Comedy; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Literature. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

Group: Latin with any language, *or* with Archæology and Art, *or* with Mathematics.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1910–11 and again in 1912–13 the following post-major courses are offered:

1*st Semester.*

Roman Elegy, its Origin and Development, Dr. Wheeler.

Two hours a week.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank.* *Three hours a week.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the *Eclogues* nd *Pseudo-Vergiliana* are read and discussed.

Pliny, *Letters*, Martial, Dr. Frank.* *Two hours a week.*

Special attention is paid to a study of the political and social conditions of the period mbraced in the course.

Advanced Latin Prose Composition, Dr. Frank.* *One hour a week.*

nd Semester.

Roman Elegy (continued), Dr. Wheeler. *Two hours a week.*

Roman Prose of the Empire, Dr. Frank.* *Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minu- us Felix will be read.

Seneca and Lucan, Dr. Frank.* *Two hours a week.*

Three tragedies of Seneca and portions of Lucan's *Pharsalia* will be read.

Advanced Latin Prose Composition (continued), Dr. Frank.*

One hour a week.

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* See footnote, page 97.

In 1911–12 and again in 1913–14 the following post-major courses are offered:

1st Semester.

Roman Satire, its Origin and Development, Dr. Wheeler. *Two hours a week.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare at least one paper on an assigned topic in each semester.

Lucretius, Dr. Frank. *Two hours a week.*

The first three books of the *De Rerum Natura* and selections from the remaining books are studied.

Lectures on Roman History, Dr. Frank. *Three hours a week.*

Collateral reading will be assigned from the Latin sources and independent reports on special topics required.

Advanced Latin Prose Composition, Dr. Frank. *One hour a week.*

2nd Semester.

Roman Satire (continued), Dr. Wheeler. *Two hours a week.*

Cicero and Cæsar, Dr. Frank. *Three hours a week.*

An effort will be made by means of lectures, discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Catullus and Horace, *Epistles*, Dr. Frank. *Two hours a week.*

In connection with the reading of Horace's *Ars Poetica* special stress will be laid upon his theories of literary criticism.

Advanced Latin Prose Composition (continued), Dr. Frank. *One hour a week.*

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to eight hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in two series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and vice versa, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recom-

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mended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler. *Three hours a week throughout the year.*

(*Given in each year.*)

In 1910–11 the subject of the seminary is the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1911–12 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The text recommended is the Oxford Clarendon Press edition of Catullus, Tibullus, and Propertius edited by Ellis, Postgate, and Phillimore, 1906 (three volumes).

In 1912–13 the subject of the seminary will be Latin Comedy. All the plays of Plautus and Terence are read by the students: single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903–04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888–1901, and by Lorenz, Berlin, Weidmann, 1876–86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended. *P. Terenti Afri Commoediæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Latin Seminary, Dr. Frank. *Two hours a week throughout the year.*

(*Given in each year.*)

In 1910–11 the work of the seminary is Latin Epigraphy and Palæography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum.* The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course. The seminary is conducted in 1910–11 by Dr. F. W. Wright.

In 1911–12 selected topics in Roman Literature will be studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose, special attention being paid to the relation of the literature to historical events and native influences. The students will read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1912–13 Roman History from the sources is the subject of the seminary. The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course consists largely of research work on the part of the student.

Latin Journal Club, Dr. Wheeler and Dr. Frank.*

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Dr. Albert Schinz, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown,† Dr. Richard Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Alfred Horatio Upham, Dr. Agathe Lasch, Mr. Samuel Arthur King, Mr. Frederick A. Blossom, Mr. Samuel Moore (elect), Dr. Regina Katharine Crandall,‡ Miss Georgiana Goddard King,‡ Dr. Lillie Deming Loshe, Dr. Emma Haeberli, Miss Martha Plaisted, Miss Mary Jeffers, Miss Margaret Grace Skinner, Miss Edna Aston Shearer, and Dr. Ellwood Austin Welden.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Associate Professor of English, Dr. Carleton Fairchild Brown,† Professor of English Philology, Dr. Orie Latham Hatcher, Associate in Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio Upham, Associate Professor of English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Mr. Samuel Moore, Lecturer (elect) in English Philology, Dr. Regina Katharine Crandall,‡ Miss Georgiana Goddard King,‡ Dr. Lillie Deming Loshe, Miss Martha Plaisted, Miss Margaret Grace Skinner and Miss Edna Aston Shearer, Readers in English. The instruction offered in English covers forty-four hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with comparative literature, or as a free elective; six hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English, and Elizabethan Literature.

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* See footnote, page 97.

† Granted leave of absence for the year 1911–12. During Dr. Brown's absence the courses offered by him will be given by Mr. Moore.

‡ Granted leave of absence for the year 1911–12.

Required Course.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition and rhetoric is connected with the lectures on literature and language and may not be elected separately.

FIRST YEAR.

1st *Semester.* (*Given in each year.*)

Lectures on the history of the English language and Anglo-Saxon literature, with an introduction into the study of early Teutonic literature and mythology, Miss Donnelly. *Three hours a week.*

The Principles of Articulation, Mr. King. *One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in everyday speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss King, Dr. Loshe, Miss Shearer, Miss Plaisted, Miss Skinner. *One and a half hours a week.*

The lectures on the history of the English language and the course in English composition and rhetoric may not be elected separately. The work in English composition consists of five short papers each week on subjects drawn from the student's personal experience, and one longer paper each fortnight on a subject drawn from the lectures on the history of the English language and literature. In the rhetoric course the principles of English composition are studied and their practice taught in the papers written by the students. A written examination is held on the work in English composition and rhetoric at the end of the semester. Written examinations on the lectures are held from time to time during the semester and credit is given for the style and structure of the papers.

2nd *Semester.*

Lectures on the history of English literature to the death of Spenser, inclusive, with an introduction into the study of mediæval literature, Miss Donnelly. *Three hours a week.*

The Principles of Articulation (continued), Mr. King.
One hour a fortnight.

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss King, Dr. Loshe, Miss Shearer, Miss Plaisted, Miss Skinner.
One and a half hours a week.

The lectures on the history of English literature and the course in English composition and rhetoric may not be elected separately. The work of the second semester is divided into two parts. The first part exactly continues the arrangement of the first semester; in the second part the work consists of one short paper each fortnight on a subject drawn from the student's personal experience and two long papers on a subject drawn from the lectures. In the rhetoric course the principles of English composition are studied throughout the semester and their practice taught in the papers written by the students. A written examination on the work in English composition and rhetoric is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and credit is given for the style and structure of the papers.

SECOND YEAR.

1*st Semester.* *(Given in each year.)*

Lectures on the history of English literature from the death of Spenser to the Restoration, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly. *Three hours a week.*

The Sonant Properties of Speech, Mr. King. *One hour a fortnight.*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

English Composition, Miss Donnelly, Dr. Crandall, Dr. Loshe, Miss Shearer, Miss Plaisted, Miss Skinner. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The course in English composition consists of one short paper each week on a subject drawn from the student's personal experience, two argumentative papers, and one critical paper on a subject drawn from the lectures on the history of English literature. A written examination on the work in English composition is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

2*nd Semester.*

Lectures on the history of English literature from the Restoration to the present time, Miss Donnelly. *Three hours a week.*

The Sonant Properties of Speech (continued), Mr. King.
One hour a fortnight.

English Composition, Miss Donnelly, Dr. Crandall, Dr. Loshe, Miss Shearer, Miss Plaisted, Miss Skinner. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The work of the semester in English composition consists of one short paper each week on a subject drawn from the student's personal experience, one twenty-four page critical paper on an author chosen by the student with the approval of her instructor, and two shorter so-called imitative papers during the writing of which the principles of imitative writing are discussed in the lectures. A written examination is held on the work at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

Major Course.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to specialise in English. Any of the courses, except the courses in English Drama, in Classical and Romantic Prose, and in Middle English Poetry and Chaucer, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle English Romances or the courses in Middle English Poetry and Chaucer for the course in Classical and Romantic Prose, and the course in Anglo-Saxon for either the course in English Poetry from 1780 to 1832 or the course in English Drama, but all students taking a major course in English must take either the course in Anglo-Saxon or the course in Middle English Romances, or the courses in Middle English Poetry and Chaucer.

FIRST YEAR.

Minor Course. (Literature.)

English Critics of the Nineteenth Century, Dr. Upham.

Three hours a week throughout the year.

(*Given in each year.*)

Certain English essayists of the nineteenth century are studied with particular regard to their theories of criticism. In the first semester the authors usually chosen are Carlyle, Newman, and Matthew Arnold; in the second semester Ruskin, Pater, and Swinburne are discussed. Occasional short reports and one long paper in each semester, and one long essay must be prepared by the students attending the course.

English Poetry from 1780 to 1832, Miss Donnelly.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course consists of a detailed study of the poetry of Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats; special attention is paid to the rise and development of the Romantic movement in English poetry, with occasional reference to similar movements in France and Germany. The course in English Drama or the course in Anglo-Saxon may be substituted for this course if desired.

Minor Course. (Language.)

Anglo-Saxon, Dr. Brown. *Two hours a week throughout the year.*

(*Given in each year.*)

The course begins with an outline of Anglo-Saxon grammar as presented in Bright's *Anglo-Saxon Reader*. Selections in prose and verse from Bright's reader are next read with the class. In the second semester after a brief study of alliterative verse selections from *Beowulf* are read. Throughout the year lectures are given outlining the literature of the period and texts are read in translation. The course on English Poetry from 1780 to 1832, or the course on English Drama may be substituted for this course if desired.

Middle English Romances, Dr. Brown. *Three hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

Selected romances are read by the members of the class. The lectures treat the development of romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle. The course in Classical and Romantic Prose or the courses in Middle English Poetry and Chaucer may be substituted for this course if desired.

SECOND YEAR.

(*Literature.*)

Classical and Romantic Prose, Dr. Upham.

Three hours a week throughout the year.

(*Given in each year.*)

Three general subjects are considered in the course: the theories of classical criticism studied in the work of Dr. Johnson; the transition in critical thought represented in Edmund Burke; and modern criticism of Shakespeare with particular attention to the writings of Coleridge, Lamb, Hazlitt, and De Quincey. Class-room discussion is encouraged and various reports are required.

English Drama, Miss Donnelly. *Two hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

This course is intended to give students that have completed the required course in English a more intimate knowledge of the later Elizabethan and the Jacobean drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures. This course is open only to those students who are taking the English group. The course in English Poetry from 1780 to 1832, or the course in Anglo-Saxon may be substituted for this course if desired.

(*Language.*)

Middle English Poetry, Dr. Brown.*

Three hours a week during the first semester.

(*Given in* 1911–12 *and again in* 1913–14.)

The purpose of the course is to give the student a direct acquaintance with some of the more important pieces of Middle English verse. Selections are read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Laurence Minot, Robert of Brunne's *Handlyng Synne*, and Langland's *Vision of Piers Plowman*. *The Owl and the Nightingale* and *Pearl* will be read in full. In connection with the reading of these texts lectures are given on the development of the language and literature during the Middle English period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently. This course is open only to those students who are taking or have taken at least one other course in English in addition to the required courses. The course in Classical and Romantic Prose or the course in Middle English Romances may be substituted for this course and the course on Chaucer if desired.

Chaucer, Dr. Brown.* *Three hours a week during the second semester.*

(*Given in* 1911–12 *and again in* 1913–14.)

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss

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* See footnote, page 102.

Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. It is desirable that this course should be preceded by the course in Middle English Poetry. This course is open only to those students who are taking at least one other course in English in addition to the required courses.

The course in Classical and Romantic Prose or the course in Middle English Romances may be substituted for this course if desired.

Group: English with any language, *or* English with comparative literature, *or* English with philosophy.

FREE ELECTIVE COURSES.

Free Elective Courses.

Argumentation, Dr. Crandall.

Two hours a week throughout the year.

(*Given in each year.*)

In the first semester the course takes up the technique of Argumentation, and in the second semester establishes the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition. The course is open to students who have obtained the grade of merit in two semesters, or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition. This course will be given by Miss Shearer in 1911–12.

Theory and Practice of Verse Composition, Miss King.

Two hours a week throughout the year.

(*Given in* 1910–11.)

This course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose and the laws of verse in English. Students are required to write short exercises in verse every week. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Descriptive and Narrative Writing, Miss Donnelly.

Two hours a week throughout the year.

(*Given in* 1911–12.)

This course consists of lectures on the theory and practice of description and on the style and methods of the best modern writers of short stories, both English and French. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Victorian Poets, Miss King.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

The works of Tennyson, Arnold and Browning are studied in the first semester and in the second semester those of Morris, Rossetti, Swinburne, and George Meredith. The course is open only to those students who have completed the two year's required course in English.

General Reading of Prose Authors, Mr. King.

One hour a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course is open only to those students who have attended the lectures in English diction given in the general course.

Reading of Shakespeare, Mr. King. *One hour a week throughout the year.*
(*Given in* 1911–12 *and again in* 1913–14.)

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

GRADUATE COURSES.

raduate Courses.

Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of English, accompanied by the direction of private reading and original research, and the courses are varied from year to year, so that they may be pursued by students through three or more consecutive years. The graduate lectures offered in the department of Comparative Literature are also recommended to the attention of students of English. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the major or third and fourth year courses of the department amounting to ten hours a week may be elected by graduate students. There are offered each year three graduate seminaries in English literature, and one in English language. The graduate seminaries in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English group; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English group.

Students who choose English as the chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and, if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the English Composition in the required English course.

Seminary in Middle English, Dr. Brown.*
Three hours a week throughout the year.
(*Given in each year.*)

In 1910–11 the subject is the Middle English Romances. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals is discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances are undertaken from time to time by the members of the seminary.

In 1911–12 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention will be devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems will also be discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation will be assigned to the members of the seminary.

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* See footnote, page 102.

In 1912–13 the beginnings of English Drama are the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

Beowulf, Dr. Brown.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon or its equivalent.

English Historical Grammar, Dr. Brown.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Cynewulf and Cædmon, Dr. Brown.*

Two hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

Several of the poems traditionally ascribed to these authors are critically studied. Lectures will be given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent.

Seminary in English Literature, Miss Donnelly.

Two hours a week throughout the year.

(*Given in each year.*)

In 1911–12 Shelley and Byron will be studied. Special attention will be given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

In 1912–13 Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1913–14 Milton, Sir Thomas Browne, and Jeremy Taylor will be studied in their relation to the development of English prose in the seventeenth century.

Seminary in English Literature, Dr. Upham.

Three hours a week throughout the year.

(*Given in each year.*)

In 1910–11 the seminary is concerned with the literary and critical activity of the mid-eighteenth century, centering in Dr. Johnson and his circle. Representative works of the period are read and discussed, and particular attention is directed to such matters as the coterie spirit, the influence of periodical literature, the relations of author and public, the breaking down of classical standards, and the rise of romanticism in England and abroad.

The seminary in 1911–12 will deal with the various phases of English sentimentalism in their relation to continental activities. After tracing the earlier development of the

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*** See footnote, page 102.**

sentimental spirit, a thorough study will be made of the manifestations of this spirit in eighteenth century novel and drama. Particular attention will be given to the bearing of sentimentalism on the beginnings of the romantic movement, and special studies will be made of literary relationships.

In 1912–13 the seminary will be devoted to studies in the later romantic movement in England, including the period of its diffusion. Emphasis will be placed upon such matters as the Italian and Spanish revival, the new interest in Hellenism, the Tractarian movement in the church, and the various ideals of art represented in the Pre-Raphaelite Brotherhood. Extensive studies in these subjects during the first semester will prepare for special investigations later.

Literary Criticism through the Renaissance, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

This course is offered in the department of Comparative Literature and a description of it will be found on page 129.

Modern Literary Criticism, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1913–14.)

This course is offered in the department of Comparative Literature and a description of it will be found on page 129.

Seminary in Elizabethan Drama, Dr. Hatcher.

Three hours a week throughout the year.

(*Given in each year.*)

In 1910–11 Spencer is studied in the light of Mediæval and Renaissance culture. The subjects taken up are the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry, and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser are read and the results of Spenserian research examined. The second semester is devoted largely to the investigation by each student of some special problem.

In 1911–12 English drama from 1558 to 1642 will be studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development and decadence are discussed and a reasonable proportion of the extant plays of the period are read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

Shakespeare is the subject of the seminary in 1912–13. In the first semester as detailed a review as is practicable is made of the results of Shakesperian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

English Journal Club, Dr. Brown, Miss Donnelly, Dr. Upham, and Dr. Hatcher.

One and a half hours a fortnight throughout the year.

(*Given in each year.*)

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Associate Professor and Professor (elect) of German Literature, Dr. Agathe Lasch, Associate in Teutonic Philology, and Miss Mary Jeffers, Reader in Elementary German. The instruction offered in German covers twenty-nine hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; four hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

Matriculation Course.

A class for beginners in German, under the direction of Miss Mary Jeffers, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in German.

Major Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

First Year.

(Minor Course.)

(Given in each year.)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. Weicher's *Deutsche Litteraturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, must be read by students taking the course in the first semester; Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Lasch.
One hour a week throughout the year.

German Grammar and Prose Composition, Dr. Lasch.
Two hours a week throughout the year.

The course in critical reading consists of translations of modern German prose, especially of modern German essays such as are found in Nichols's *Modern German Prose* (Henry Holt & Co., New York), and in Paszkowski's *Lesebuch zur Einführung in die Kenntnis Deutschlands* (Weidmannsche Buchhandlung, Berlin). For translation of English into German, Pope's *German Composition* (Henry Holt & Co., New York) and Whitney and Stroebe's *Advanced German Composition* (Holt & Co.) are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.) and in von Jagemann's *German Syntax* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Geschichte des dreissigjährigen Krieges, Book* III, (Ed. Palmer, Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Goethe, *Hermann und Dorothea*, and Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

(*Given in each year.*)

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Selected Reading, Dr. Jessen. *One hour a week throughout the year.*

This course in selected reading is planned to illustrate the lectures on literature. Neither the lectures nor the reading may be elected separately.

Private reading: Goethe, *Iphigenie*, and Lessing, *Nathan der Weise*, must be read by students taking the courses in the first semester; Sudermann, *Frau Sorge* and Hauptmann, *Die Versunkene Glocke*, (New York; Henry Holt & Co.), must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Goethe, *Faust* (*2nd Part*), Dr. Jessen. *One hour a week throughout the year.*

German Prose Composition, Dr. Lasch. *One hour a week throughout the year.*

In the course in Prose Composition the students translate selected passages of difficult English prose into German.

The course in *Faust* and the course in Prose Composition may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Goethe, *Faust*, (*1st part*), must be read by students taking the courses in the first semester; Goethe, *Tasso*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: German with any language.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

German Literature from 1850 to the Present Time, Dr. Jessen.

Two hours a week during the first semester.

(*Given in* 1910–11 *and again in* 1912–13.)

The subject of this course is, in the first semester, the *Epigonen-Literatur.* The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the Present Time (continued), Dr. Jessen.

Two hours a week during the second semester.

(*Given in* 1910–11 *and again in* 1912–13.)

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung.*

Lectures on the History of German Literature from the Romantic School till 1850, Dr. Jessen.

Two hours a week during the first semester.

(*Given in* 1911–12 *and again in* 1913–14.)

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung.* The lyrics of the war of liberation, the *Weltschmerz,* and the political revolution; the novel of *Jungdeutschland;* the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century, Dr. Jessen.

Two hours a week during the second semester.

(*Given in* 1911–12 *and again in* 1913–14.)

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and other modern writers of less importance.

Advanced Critical Reading, Dr. Jessen. *One hour a week throughout the year.*

(*Given in each year.*)

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Elementary Middle High German, Dr. Lasch.

One hour a week throughout the year.

(*Given in each year.*)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

GRADUATE COURSES.

Graduate Courses.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are varied so that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or minor for the degree of Doctor of Philosophy.

Seminary in German Literature, Dr. Jessen.

Two hours a week throughout the year.

(*Given in each year.*)

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1910–11 Goethe's life and works are the subject of the seminary. Goethe's views on æsthetics and philosophy, translations by and from Goethe, Goethe and romanticism, text criticism applied to selected works, studies of Goethe's style and use of words, and similar subjects are investigated.

In 1911–12 subjects for study will be chosen from the life and works of Kleist, Lenau, Heine, Grillparzer, Platen, and Droste-Hülshoff.

In 1912–13 the Romantic School and the *Volkslied* will be studied.

German Metrics, Dr. Jessen. *One hour a week during the first semester.*

(*Given in* 1910–11 *and again in* 1912–13.)

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics, Dr. Jessen. *One hour a week during the second semester.*

(*Given in* 1910–11 *and again in* 1912–13.)

Lectures will be given on *Deutsche Poetik* and *Stilistik*.

German Literary Criticism, Dr. Jessen. *One hour a week during the first semester.*

(*Given in* 1911–12 *and again in* 1913–14.)

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen. *One hour a week during the second semester.*

(*Given in* 1911–12 *and again in* 1913–14.)

The history of the essay in German literature is studied, and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed; the influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is investigated. Incidentally questions touching on the evolution of modern German prose style are dealt with.

Goethe's *Faust*, Dr. Jessen. *Two hours a week throughout the year.*

(*Given in each year when the time of the department permits.*)

This course is intended as an introduction to the problems of *Faustphilologie*, dealing with both the first and second parts.

General Teutonic Philology.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate in Teutonic Philology. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and the study of general comparative philology.

The course in introduction to the study of Teutonic philology, Gothic and Middle High German grammar (first year course,) are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

(*Given in each year.*)

Graduate Courses.

Introduction to the study of Teutonic Philology, Dr. Lasch.

One hour a week throughout the year.

These lectures deal with the following topics; a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the various Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as the relationship of dialects, and the consistency of phonetic laws; a brief history of Teutonic philology, and the outlines of general phonetics.

Comparative Teutonic Grammar, Dr. Lasch.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the separate old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic as distinguished from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

History of the *Neuhochdeutsche Schriftsprache*, Dr. Lasch.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the modern 'High German' period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed as they have contributed to the development of modern German.

Gothic, Dr. Lasch. *Two hours a week throughout the year.*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Braune's *Gotische Grammatik* (7th ed., Halle, 1909); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die Gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts (first-year course), Dr. Lasch. *Two hours a week throughout the year.*

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Part of Hartmann's *Armer Heinrich* is read, and is followed by selections from the *Nibelungenlied*, a brief account being given of the "Nibelungenfrage" and of the manuscripts of the *Nibelungenlied.*

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (7th ed., Halle, 1908), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900). For a more complete treatment of the subject T. Wright's *Historical German Grammar* (Vol. 1, Oxford, 1907) is recommended.

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle High German (second-year course), Dr. Lasch.

One hour a week throughout the year.

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos*, and the second semester to Minnesangs Frühling and Walther von der Volgelweide.

Old High German, Dr. Lasch.

Two hours a week throughout the year.

This course is offered to students acquainted with Gothic and Middle High German, or at least modern German, and includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Old Saxon, Dr. Lasch.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Anglo-Saxon. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900); the *Hêliand* (in Sievers's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse with reference to versification and poetic style in Anglo-Saxon.

Old Norse, Dr. Lasch.

Two hours a week during the second semester.

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course attention is paid to the relation between Gothic and Norse, and to the differences between the East Teutonic and West Teutonic branches. Among the texts read selections from the younger and the older *Eddas* take a prominent place.

The books used are Kahle's *Altisländisches Elementarbuch* (Heidelberg, 1900 and some of the Islendinga sögur (*Altnordische Saga-Bibliothek*) and Hildebrand's *Edda* (2nd ed., Paderborn, 1904.)

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Teutonic Seminary, Dr. Lasch.

One hour a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The exercises consist mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1910–11 the subjects of the seminary are taken from Middle High German texts.

In 1911–12 Old High German texts will be studied.

In 1912–13 the first semester will be devoted to Old Saxon texts (*Hêliand and Genesis*).

In the second semester the subject will be taken from German texts of the fifteenth, sixteenth and seventeenth centuries.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

French.

The instruction in this department is under the direction of Dr. Albert Schinz, Associate Professor and Professor (elect) of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Mr. Frederick A. Blossom, Lecturer in French, and Miss Emma Haeberli, Reader in Elementary French.

The instruction offered in French covers thirty-three hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and thirteen hours a week of graduate work in modern French literature and in Old French literature and language.

Matriculation Course.

A class for beginners in French five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in French. This course is given by Dr. Haeberli under the direction of Dr. Schinz.

Major Course.

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject. All the courses in French are conducted in the French language.

First Year.

(*Minor Course.*)

(*Given in each year.*)

Lectures on the history of French Literature of the eighteenth century, accompanied by collateral readings from representative French authors, Mr. Blossom. *Three hours a week throughout the year.*

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to acquaint them with the main features of eighteenth century literature.

Private reading: Lesage, *Gil Blas* (Heath, Boston); Montesquieu, *Esprit des lois*, selected chapters; Marivaux, *Les fausses confidences* (Macmillan), must be read by students taking the course in the first semester. Voltaire, *Zaire* (Scott, Foresman Co., Chicago); Buffon, *Morceaux choisis* (edition Hémardinquer, Librairie Delagrave); selected passages; Bernardin de St. Pierre, *Paul et Virginie* (Holt & Co., New York), must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at one of two stated times during the semester for which the reading is assigned.

Critical Readings in French prose and poetry. Practical Exercises in French Syntax and Composition, Dr. Schinz.

Two hours a week throughout the year.

The class is conducted in French, and students are expected to take notes and to answer questions in French.

Private reading: Balzac, *Les Chouans*, must be read by students taking the course in the first semester; de Vigny, *Grandeur et Servitude Militaire* must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at one of two stated times during the semester for which the reading is assigned.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles, id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston), will give an idea of the kind of translation required, The examination in composition will as a rule consist in translating a few detached sentences of every-day idiomatic English, such as may be found in Sweet's *Primer of Spoken English*, or the German edition of it (*Elementarbuch des Gesprochenen Englisch.* Oxford, Clarendon Press), or Chardenal's *French Exercises for Advanced Pupils* (Allyn and Bacon, Boston). The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

(*Given in each year.*)

Lectures on the history of French Literature from the earliest times to the end of the seventeenth century, accompanied by collateral reading, Dr. Schinz.

Three hours a week throughout the year.

These lectures are delivered in French. The collateral reading in connection with the lectures, on which examinations are held at stated intervals, consists, for the period preceding the seventeenth century, of passages chosen from such works as Gautier's *Epopées Françaises* or Petit de Julleville's *Histoire du Théâtre en France;* and for the seventeenth century of selections from the leading authors of the time. Malherbe, Boileau, Corneille, Racine, Molière, La Fontaine, Descartes, Pascal, La Rochefoucauld, Mme. de Sévigné, the great pulpit orators, and others, find a place in the course. During the first semester a number of selections from sixteenth century writers are also read in class, one hour out of the three being specially devoted to this purpose.

Private reading: *Chanson de Roland* (*traduction Gautier*), and Bédier, *Tristan et Iseut*, must be read by students taking the course in the first semester; Corneille, *Le Cid, Cinna;* Racine, *Andromaque, Athalie;* Molière, *Tartuffe;* Boileau, *Art Poëtique* (*Chant I*), Pascal, *Lettre Provinciale, V;* Bossuet, *Oraison funèbre de Condé* must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at one of two stated times during the semester for which the reading is assigned.

Studies in French Style, Composition, etc., Mr. Blossom.
One hour a week throughout the year

Critical Readings and Studies in Classical French Comedy, Mr. Blossom.
One hour a week throughout the year.

Molière, *Théâtre Choisi* (ed. Thirion, Hachette, Paris) is used in both semesters.

The two one-hour courses given by Mr. Blossom may not be elected separately.

Private reading: Corneille, *Le Menteur* (ed. P. de Julleville, Hachette, Paris) Racine, *Les Plaideurs* (ed. G. Lanson, Hachette, Paris), Molière, *Théâtre Choisi* (ed. Thirion, Hachette, Paris), *Le Marriage Forcé*, *Le Médecin Malgré lui*, and *Les Fourberies de Scapin*, must be read by students taking the courses in the first semester; Molière, *Théâtre Choisi*, *L'Avare;* Regnard, *Scènes Choisies* par Charles Boudhors (Hachette, Paris) *Le Joueur* and *Les Folies Amoureuses;* Lesage, *Turcaret* (ed. by Kerr, O. C., Heath, Boston), must be read by students taking the courses in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at one of two stated times during the semester for which the reading is assigned.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry), into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siecles*, *id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question on French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: French with Italian and Spanish, *or* with any language.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

French Lyric Poetry of the nineteenth century, Dr. Schinz.
Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

The short story (*nouvelle*) in the nineteenth century, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Flaubert, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, and others.

Teacher's Course in French Phonetics, Mr. Blossom.

One hour a week throughout the year.

(*Given in each year.*)

This course is designed especially for students who intend to teach French but is open also to other students. Its object is to teach the theory and practice of French phonetics in such a way as to correct the student's own errors of pronunciation, and also to train the ear to detect and identify those of others. The methods employed include lectures on the physiological and phonetical aspects of the subject, exercises in reading graded passages of prose and verse, and practice with special phonograph records to master the cadence of French diction.

Early French Lyric Poetry, Mr. Blossom.

One hour a week throughout the year.

(*Given in* 1910–11.)

After a study of the principles of French versification, the history of lyric poetry in France is studied from its origin to the end of the eighteenth century, particular attention being paid to the works of Rutebeuf, Charles d'Orleans, Villon, Marot, and Ronsard.

The Romantic Drama of the nineteenth century, Mr. Blossom.

Two hours a week throughout the year.

(*Given in* 1911–12.)

The lectures deal with the origin and development of the romantic drama in the works of Victor Hugo, Alexandre Dumas père, Alfred de Vigny, and Alfred de Musset. Its renaissance in the latter part of the century in Richepin and Edmond Rostand is then discussed.

Origin, development, and decline of realistic comedy, Mr. Blossom.

Two hours a week throughout the year.

(*Given in* 1912–13.)

The lectures treat of the origin of realistic comedy in Beaumarchais; its period of highest development in Augier, Dumas fils, Pailleron, and Sardou; its decline, the *comédie naturaliste;* new systems and new writers, Jules Lemaître and Edmond Rostand.

GRADUATE COURSES.

Graduate Courses.

Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department amounting to four or five hours a week may be elected by graduate students. Graduate students interested in the study of literature will also find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be followed by graduate students throughout three years, and cover the work required of students who offer French language or literature as a major or minor for the degree of Doctor of Philosophy.

Literature. Seminary in French Literature, Dr. Schinz.

Three hours a week throughout the year.

(*Given in each year.*)

In 1910–11 Rousseau is the subject of the seminary. In the first semester a study of his life is made based on the *Confessions*, *Rêveries*, and *Correspondance*. Special attention is paid to the controversy *Confessions* versus *Mémoires d'Epinay*, transformed by the discoveries of Mrs. MacDonald. The questions of Rousseau's insanity and suicide are discussed. The second semester is devoted chiefly to the study of Texte's *Jean Jacques Rousseau et le cosmopolitisme littéraire.* The *Lettre à d'Alembert* and the *Nouvelle Héloise* serve as a text for the discussion of this theory.

In 1911–12 the subject of the seminary is Victor Hugo. The seminary deals with his lyrical works. The following subjects are treated: Victor Hugo as a Royalist and Catholic poet; his indebtedness to Chateaubriand, Sainte-Beuve, Nodier and other contemporaries; his attitude towards Napoleon I., the Republic of 1848 and Napoleon III.; and his social, political and religious ideas in the period of his maturity and of his old age.

In 1912–13 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch will be discussed. A special study will be made of Montaigne's style and of the *Apologie de Raymond de Sebonde.*

Seminary in French Language and Literature, Mr. Blossom.

Two hours a week throughout the year.

(*Given in each year.*)

In 1910–11 the work of the seminary is an analytical study of the modern French language. Questions of syntax, style and vocabulary are discussed with a view to acquiring a thorough command of the idiomatic language.

In 1911–12 the subject of the seminary is *La 'Matière de Bretagne' et l'épopée courtoise.* The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

The subject of the seminary in 1912–13 is Ronsard and the *Pléiade*, the object being to determine the origin, the extent, and the success of the Renaissance movement in France. The chief works of Ronsard and his successors, especially Du Bellay and Baïf, will be read and discussed.

In 1913–14 the subject of the seminary will be Molière. The subjects studied will be French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

Language. The course in Old French Philology is intended for students in their first year of graduate study; that in Old Provençal and the Old French Seminary for students in their second or third year of graduate study; the

Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the Old French seminary.

Old French Philology, Dr. Holbrook. *Two hours a week throughout the year.*
(Given in each year.)

This course consists of lectures on the Phonology, Morphology, and Syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar will be studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie.* Other books used are Passy's *Sounds of the French Language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan's *Grammaire de l'Ancien Français.*

Old French Readings, Dr. Holbrook. *One hour a week throughout the year.*

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions will be minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge.*

The following courses may be rearranged to suit the needs of students in any particular year.

In 1910–11 and again in 1912–13 epic and historical literature is the subject of the course. The texts required are Stengel's edition of the *Chanson de Roland* (Leipsic, 1900); the *Pèlerinage de Charlemagne* (ed. by Koschwitz, Leipsic, 1900), and the *Extraits des Chroniqueurs Français* (Villehardouin, Joinville, Froissart, Commines) ed. by G. Paris and A. Jeanroy, Paris, 1893.

In 1911–12 dramatic literature will be studied. Various mysteries and miracle plays will be examined; but the course will deal mainly with purely mediæval comedy (*ca.* 1260—*ca.* 1530). The texts used are Adam de la Hale's *Jeu de la feuillée* (edition of Rambeau, Marburg, 1886, and of Langlois, Paris, 1895), Paul Lacroix's *Recueil* (Paris, 1859), and the facsimile of Guillaume Le Roy's *Patelin* (1486?), printed for the Société des textes Français modernes.

Old French Seminary, Dr. Holbrook. *Two hours a week throughout the year.*
(Given in each year.)

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal, Dr. Holbrook. *Two hours a week throughout the year.*
(Given in each year.)

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Mr. Blossom. *One and a half hours a fortnight throughout the year.*
(Given in each year.)

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian and Dr. Ellwood Austin Welden,* Non-resident Reader in Italian.

The instruction offered in Italian covers nine hours of lectures and recitations a week; it includes seven hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language or with comparative literature to form a group. Any of the undergraduate courses in Italian may be taken as free elective courses.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

Italian, Dr. Holbrook. *Five hours a week throughout the year.*

(May be taken as a free elective.)

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. Among the books read are the following: Grandgent's *Italian Grammar;* Bowen's *Italian Reader* and Hecker's *Il Piccolo Italiano;* Guiseppe Finzi's *Petrarca* (1900); De Marchi's *Storie;* also selections from the verse and prose of Renato Fucini.

SECOND YEAR.

(*Given in each year.*)

Italian Classical Literature, Dr. Welden.*

Two hours a week throughout the year.

The work in this course is to translate most of the *Inferno* and parts of the *Purgatorio* and *Paradiso;* then selections from Ariosto and Tasso. For these two the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course.

Group: Italian and Spanish with any language, or with comparative literature.

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* Resigned, February, 1911. The course offered by him was given during the second semester by Mr. J. Cherubini Chiarini.

GRADUATE COURSES.

Graduate Courses.

Three hours a week of seminary work and graduate lectures are offered each year to graduate students of Italian accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Italian Philology, Dr. Holbrook. *One hour a week throughout the year.*

(*Given in each year.*)

This course presupposes a knowledge of Old French philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings, Dr. Holbrook. *One hour a week throughout the year.*

(*Given in each year.*)

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, Mr. Blossom. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers eighteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Spanish; and six hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

Spanish, Dr. DeHaan. *Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos;* Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); DeHaan's *Selected Works of G. A. Bequer;* Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José;* Galdós, *Marianela.*

SECOND YEAR.

(*Given in each year.*)

Lectures in Spanish on Spanish Literary History of the Nineteenth Century, Dr. DeHaan. *Two hours a week throughout the year.*

Spanish Composition, Dr. DeHaan. *One hour a week throughout the year.*

Critical Reading in Spanish, Dr. DeHaan.
Two hours a week throughout the year.

Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

Group: Spanish, or Italian and Spanish with any language, or with comparative literature.

POST-MAJOR COURSE.

Post-Major Course.

The post-major course is designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect this course.

Advanced Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

(*Given in each year.*)

The course consists of readings of classical, pre-classical and modern literature, translation of English prose into Spanish, and the writing of compositions in Spanish. Some time is devoted to the study of the history of Spanish literature.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major course of the department amounting to two hours a week may be elected by graduate students.

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year.*

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681), Dr. DeHaan. *One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

Romance Languages Journal Club, Dr. DeHaan, Dr Schinz, Dr. Holbrook, Mr. Blossom. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate in Comparative and Elizabethan Literatures; Dr. Alfred Horatio Upham, Associate Professor of English Literature, and Miss Georgiana Goddard King,* Reader in English and Lecturer in Art.

The instruction offered in comparative literature covers ten hours of lectures and recitations a week; it includes eight hours a week of undergraduate minor and major work and two hours a week of graduate work. Any of the undergraduate courses may be taken as free elective courses.

FIRST YEAR.

(*Minor Course.*)

The Epic, Dr. Hatcher. *Three hours a week during the first semester.*

Major Course.

(*Given in* 1910–11 *and again in each succeeding year.*)

The lectures discuss the origins and significance of epic poetry, include some mention of oriental and early Teutonic epic literature, and relate the artistic form of the epics studied to the critical theories of Aristotle, and those of the Italian Renaissance. The required reading includes the *Iliad*, the *Odyssey* and the *Aeneid*, the greater Renaissance epics, *Orlando Furioso*, *Jersualem Delivered* and *The Fairie Queene;* and *Paradise Lost.*

The Pastoral, Dr. Hatcher. *Three hours a week during the second semester.*

(*Given in* 1910–11 *and in each succeeding year.*)

The course deals with the best literature associated with the pastoral tradition. The lectures supplement the range of the required reading, and trace the pastoral idea from its rise in the *Idylls* of Theocritus through the later classical eclogue and pastoral romance into the Renaissance types of eclogue, pastoral lyric, novel and drama. The reading will include the *Idylls* of Theocritus, Bion and Moschus, *Daphnis and Chloe*, Tasso's *Aminta*, Sidney's *Arcadia*, Lodge's *Rosalynd*, Spenser's *Shepherd's Calendar*, Fletcher's *Faithful Shepherdess*, Jonson's *Sad Shepherd*, etc.

Neo-classicism in France and England, Dr. Upham. *Two hours a week throughout the year.*

(*Given in* 1910–11.)

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*Granted leave of absence for the year 1911-12.

This course is concerned with the influence exercised by French critical theory and literary practice upon the literature of England from the Restoration to the death of Pope (1744). The lectures consider the rise of Deism and the enthronement of reason and good taste, the conflict of the Ancients and Moderns, the vogue of satire and didacticism, and the application of theory to the various literary types. Careful outside reading is required.

The Continental Developments of Romanticism in the Nineteenth Century, Miss King.

Two hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

The course deals with the rise and growth of the ideals of revolution in continental literature from the birth of Byron to the death of Swinburne. The literature of revolt is studied with special attention to the drama and, in poetry as well as in the novel, to the successive phases of early romanticism, mid-century realism, and the new return to romanticism.

SECOND YEAR.

The Sonnet and Minor Lyric Forms, Dr. Hatcher.

Three hours a week during the first semester.

(*Given in* 1911–12 *and in each succeeding year.*)

The lectures trace the rise of modern lyric poetry among the Troubadours and the spread of Provençal and other early Romance lyric forms from Italy, France, and Spain into England. The development of the sonnet form is emphasised and the English sonnet studied from its beginnings down to the present time with special reference to the sonnets of Sidney, Spenser, Shakespeare, Milton, Wordsworth, and Rossetti. The reading includes *Ballades and Rondeaux*, Scott's translations; *Ballads and Lyrics of Old France*, Andrew Lang's translations; Rossetti's *Early Italian Poets*, Petrarch's *Sonnets*, Bullen's *Elizabethan Lyrics*, Sidney Lee's *Elizabethan Sonnets*, etc. Previous study of Latin and French is assumed.

The Drama, Dr. Hatcher.

Three hours a week during the second semester.

(*Given in* 1911–12 *and in each succeeding year.*)

The object of the course is to suggest the many forms in which the human instinct for dramatic expression has manifested itself in different countries and periods, and to acquaint the student with the more significant of these forms in their historical order. The lectures inquire into the nature of the dramatic essence underlying all these forms, and attempt some comparison of the dramatic ideals and canons of the classical period with those of the Renaissance, and with those of our own time. A few representative types of drama are studied in plays selected from different literatures and periods.

The Foreign Relations of Nineteenth Century Romanticism, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1911–12.)

A study of the various phases of the general Romantic movement in their effect on English thought and letters after 1800. Attention will be given to the influence of philosophical idealism, the final shaping of the mediæval element, the revolutionary impulse, the relation of nature and art, the Hellenistic reaction, the Italian revival, and the diffusion of romanticism in later literature. Careful outside reading is required.

Group: Comparative Literature with English, *or* with Italian, *or* with Spanish, *or* with Italian and Spanish.

GRADUATE COURSES.

Graduate Courses.

The seminary in comparative literature changes its subject of study from year to year through a cycle of three years. It may be taken by graduate students of English in connection with the seminary in Elizabethan literature or may be elected separately. The courses in literary criticism extend through two years, but may be elected separately. Students intending to do special work in comparative literature are advised to begin the study of Italian or Spanish.

Seminary in Comparative Literature, Dr. Hatcher.

Two hours a week throughout the year.

(*Given in each year.*)

In 1911–12 the subject of the seminary will be the lyric poetry of the later Renaissance, The Italian lyrics of the fifteenth and sixteenth centuries will be studied with reference both to their Provençal and early Italian origins, and to their bearing upon later French and English lyrics. Considerable stress will be laid upon the study of verse forms and the development of theories of versification. The first semester will be given to reading of the literature involved and reviews of the results of critical investigation in the field. In the second semester each student will devote his time to some individual topic. Students desiring to take this course must consult the instructor as to linguistic equipment.

In 1912–13 Renaissance comedy, chiefly in the sixteenth century, will be studied. Some preliminary consideration will be given to mediæval contributions to Renaissance comedy, but Ariosto's revival of classical comedy will be taken as the especial starting point, and the development of literary comedy traced through other Italian plays and through the French, Spanish and English to that of the earlier Jacobean dramatists. The various types of comedy will be analysed and illustrated in the reading required. Pre-requisite for the course, French and either Italian or Spanish.

In 1913–14 the seminary will undertake the study of Renaissance fiction on the continent as related to Elizabethan fiction and drama, the study of fiction being here practically restricted to that of the novella or short prose tale. Boccaccio, Cinthio, Bandello, Margaret of Navarre, Desperiers, Belleforrest, Painter, Pettio, Whetstone, etc., being among the novelists studied. Pre-requisite for the course, French and either Spanish or Italian.

Literary Criticism through the Renaissance, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

A survey, from the graduate point of view, of the significant movements and documents in the history of European critical theory from Aristotle, through the activities of the Renaissance, to the consummation of the neo-classic code in the seventeenth century. The bearing of these upon English literature will be emphasized throughout. The lectures aim chiefly to indicate outline and relationships, the important feature of the course being the thorough study and frequent discussion of the material.

Modern Literary Criticism, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1913–14.)

A survey of the important phases of literary criticism in Europe from the neo-classic period, through the development of romanticism, to the present day. Inter-relations of England and the continent will be made prominent. This course will be similar in scope and method to the course in Literary Criticism through the Renaissance.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes five hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and five hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 200 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(*Given in each year.*)

Minor Course.

Oriental History, Dr. Barton. *Five hours a week throughout the year.*

(May be taken as a free elective or may be substituted for the second year of required science.)

☞ This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

FREE ELECTIVE COURSES.

Free Elective Courses.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

History of the New Testament Canon, Dr. Barton.

One hour a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

The History of Christian Doctrine, Dr. Barton.

Two hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the Old Testament Canon, Dr. Barton.

One hour a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

New Testament Biography, Dr. Barton. *Two hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester, to the life and teaching of St. Paul. The instruction is given in lectures, and the Gospels and Epistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

Biblical Geography and Archæology, Dr. Barton.

Two hours a week throughout the year.

(*Given when the time of the department permits.*)

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narrative are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek, Dr. Barton. *Two hours a week throughout the year.*

(*Given when the time of the department permits.*)

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

Elementary Arabic, Dr. Barton. *Two hours a week during the first semester.* (*Given in* 1910–11.)

GRADUATE COURSES.

Graduate Courses.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

The following courses are offered in 1910-11 and again in 1911-12:

Semitic Seminary, Dr. Barton. *Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, or mythological poetry. In Hebrew, one of the following subjects may be selected: Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages, Dr. Barton. *Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew, The Prophets, Dr. Barton. *One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Hebrew Literature, Dr. Barton. *Two hours a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Ethiopic, Dr. Barton. *One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the later part of the course selections are read from the book of Enoch.

Seminary in New Testament Greek, Dr. Barton. *One hour a week throughout the year.*

A thorough study is made of some book of the New Testament, and the students are guided in critical studies, both textual and historical.

The following courses are offered in 1912-13:

Semitic Seminary. *Two hours a week throughout the year.*

The work of the seminary is continued as given in 1911–12.

Seminary in Aramaic and Arabic. *Two hours a week throughout the year.*

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be given to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar. *One hour a week throughout the year.*

The grammar of Brockelmann is used as a basis with comparison from the Egyptian and other Hamitic languages.

Egyptian. *One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

History.

The instruction in this department is under the direction of Dr. William Roy Smith,* Associate Professor of History, Dr. Edward Raymond Turner, Associate in History, and Dr. Paul Leland Haworth, Lecturer in History. The instruction offered in History covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and seven hours a week of graduate work.

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* Granted leave of absence for the year 1910–11. The courses offered by Dr. Smith are given by Dr. Haworth during this year.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The course is planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR.

(*Minor Course.*)

1*st Semester.* (*Given in each year.*)

Major Course.

The History of Europe to the Period of the Renaissance, Dr. Turner. *Five hours a week.*

This course opens with a few lectures on the contribution of ancient civilisation to mediæval life, with special reference to the influence of Rome. From this point the design is to trace the fall of Rome and the rise of new nationalities; the growth of Frankish power; the empire of Charles the Great; the gradual nationalisation of France and Germany; the growth and influence of the Church; the Feudal System and the rise of French monarchy; the rapid extension of Mohammedanism and its points of contact with Europe; the struggle between the Papacy and the Holy Roman Empire; the scope and results of the crusading movement.

2*nd Semester.*

The History of Europe from the Period of the Renaissance to the close of the Religious Wars, Dr. Smith.* *Five hours a week*

The lectures trace the growth of the humanities and the phases of religious change; the broadening of knowledge in letters, geography, and science; the extension of commerce and the struggle for privileges and constitutional liberty; the weakening of the Papacy and the failure of the Holy Roman Empire; the spirit of reform; the growth of Protestantism and the counter measures; the war in the Netherlands; the religious and political struggles in France, and the Thirty Years' War. The course closes with the Treaty of Westphalia.

SECOND YEAR.

1*st Semester.* (*Given in each year.*)

The History of Europe from the Treaty of Westphalia to the close of the Napoleonic Campaigns, Dr. Smith.* *Five hours a week.*

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* See footnote, page 133.

This course, which is a continuation of the previous year's work, treats of the territorial expansion of France in the seventeenth century; the rise of French absolutism; the theory of the balance of power; the growth of nationality and international relations; the rise of Prussia; the Seven Years' War, and the expansion of England; the political, social, economic, religious, and philosophical conditions of France leading to reform and revolution; the growth of the moderate spirit under the Directory; the rise of Napoleon and the Empire, and the general European war until the Congress of Vienna.

2nd Semester.

The History of Europe from the Congress of Vienna to the Present Time, Dr. Turner. *Five hours a week.*

This course is planned to give a general outline of the history of the nineteenth century, with special reference to Western Europe. The lectures trace broadly the phases of reaction against legitimism and Metternichism, the growth of liberal ideas and constitutional government, and the conditions and circumstances which have led to the reorganisation of the political map of Europe. The course concludes with a general survey of world politics from 1878 to the present day.

Group: History with Economics and Politics.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

American Constitutional History from 1789 to the present time, Dr. Smith.* *Three hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Selected Documents of the History of the United States* and *Select Statutes of United States History*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

American Constitutional History to 1789, Dr. Smith.

Three hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

English Constitutional History to 1603, Dr. Turner.

Two hours a week throughout the year.

(*Given in* 1910-11 *and again in* 1912-13.)

This course deals with Anglo-Saxon institutions, the changes wrought by the Conquest, Norman organisation, the reforms of Henry II., Magna Charta, the development of parliament, the great laws of Edward I., the rise of the commons, the supremacy of parliament under the Lancastrians, the growth of the king's council, and the supremacy of royal power and prerogative under the Tudors.

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* See footnote, page 133.

English Constitutional History since 1603, Dr. Turner.

Two hours a week throughout the year.

(*Given in* 1911-12 *and again in* 1913-14.)

The course deals with the reaction under the Stuarts, the legislation of 1641, the great constitutional experiments of the Commonwealth and Protectorate, the Restoration period, the revolution of 1688 and the final victory of parliament, the development of the party system and of cabinet government, the reform period, and recent legislation.

The object of both of these courses is not only to give an accurate idea of English constitutional development, but to make possible a better comprehension of government both in England and America at present.

GRADUATE COURSES.

Graduate Courses.

Seven hours a week of seminary work and graduate lectures are offered each year to graduate students of History, accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Seminary in American History, Dr. Smith.*

Three hours a week throughout the year.

(*Given in each year.*)

In 1910–11 the American colonies in the seventeenth and eighteenth centuries will be the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester, special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1911–12 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movements, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1912–13 the revolution, the confederation and the constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

Seminary in English and European History, Dr. Turner.

Three hours a week throughout the year.

(*Given in each year.*)

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*See footnote, page 133.

In 1910–11 the subject of the seminary is English Institutions, 1066-1307. The contemporary chronicles are used, many charters and statutes are studied, and the *Dialogus de Saccario* is read critically. The seminary is devoted particularly to the study of organisation and development.

In 1911–12 the subject is the French Revolution. A large amount of source material for the period 1789–1815 has been brought together in the library, and is used for the study of particular problems. In general the seminary is devoted less to the causes of the Revolution and to the destruction wrought by it, than to the great principles enounced and the reforms then begun.

In 1912–13 the subject is the Reformation. Special attention is given to the study of the political doctrines taught by the reformers or developed from their religious teachings, doctrines which later on became the fundamental principles of modern democracy.

Historical Method and Criticism, Dr. Turner.

Two hours once a fortnight throughout the year.

(*Given in each year.*)

The questions dealt with in this course are the scope of historical work and its relations to allied subjects; the outlines of historical bibliography; the great collections of printed material archives and MSS.; editing, criticism, and evidence.

Historical Journal Club, Dr. Smith* and Dr. Turner.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Charles Clarence Williamson, Associate in Economics and Politics, and Dr. Marion Parris, Associate in Economics and Politics. The instruction offered by this department covers twenty-three hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of free elective work; five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and six hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

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* See footnote, page 133.

FIRST YEAR.

(*Minor Course.*)

1*st Semester.* (*Given in each year.*)

Major Course.

Introduction to Economics, Dr. Parris. *Five hours a week.*

The objects of this course are to introduce the students to the economic problems in the modern state, to familiarise them with the main problems in economic science, and to train them to think clearly on economic subjects. The main work of the semester is the study of the nature and extent of supply, including a brief outline of economic geography, the nature and laws of demand, an introduction to the theory of wants, value and fixing of price, and the theory of economic institutions, methods of production, methods of exchange, international exchange, and transportation problems. The lectures are supplemented by a large amount of reading from standard economic authors. Numerous short papers are required and oral and written quizzes are frequently held.

2*nd Semester.*

Introduction to Politics, Dr. Williamson. *Five hours a week.*

This is an introduction to the principles of political science with special reference to the organisation and workings of American political institutions. The legislative, executive and judicial branches of the national and state governments are studied, with some attention to their origin and development, and with special reference to their efficiency and amenability to popular control. Lectures are given on the organisation and legislative methods of the United States Senate and House of Representatives, the election and powers of the president, the civil service and the federal courts. A brief time is allotted to a similar study of the state governments, after which problems of municipal government, political parties, suffrage and elections are treated. Lastly, the functions of the modern state are examined with special reference to the contentions of individualism and socialism.

SECOND YEAR.

1*st Semester.* (*Given in each year.*)

Social Politics, Dr. Williamson. *Five hours a week.*

The work of the preceding year is continued by a thorough study of the economic position of the working classes under the industrial regime. The rise of the problem is traced; radical and conservative programmes of reform are examined; the arguments for and against state action are discussed in connection with a concrete study of legislation in various countries designed to ameliorate the conditions of employment and to promote the economic and social well-being of the weaker classes of society. The methods of securing legal enactment, constitutional hindrances, and the difficulties of enforcing factory laws are treated with special reference to the experience of American states. The chief topics taken up are the industrial revolution and the factory system, socialism and the labor movement, labor organisations and the methods of securing industrial peace, the labor of women and children, factory inspection, employers' liability, workmen's insurance, and industrial education.

2*nd Semester.*

History of Economic Thought, Dr. Parris. *Five hours a week.*

The object of this course is twofold. First, to trace the development of certain of the most fundamental concepts in modern economic theory, such as the theories of value concepts of capital and interest, rent, wages, monopoly, etc., in order to appreciate critically modern economic theory. Secondly, by relating economic thinking to the political and economic history, and to the religious and philosophical thinking of the successive historical epochs studied, to give the student a proper historical background for further study.

The students will be required to read critically portions of Aristotle's *Ethics* and *Politics* in translation, also selections from the mediæval canonistic writers; Adam Smith's *Wealth of Nations*, Vol. I.; Ricardo's *Principles of Political Economy and Taxation;* Malthus's *Principles of Population;* and selections from Senior's *Political Economy*, John Stuart Mills's *Principles of Political Economy*, and Jevons's *Political Economy.* Numerous short papers, written quizzes, and one report on some specially assigned subject will be required.

Group: Economics and Politics, with History, *or* with Philosophy.

FREE ELECTIVE COURSES.

Free Elective Courses.

Municipal Problems, Dr. Williamson. *Two hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

This course consists of a general survey of the more important social, political, and economic problems of American cities. The chief topics treated are, the growth of urban population with its economic and political results, political parties in municipal government, civil service reform, the municipal functions such as police and fire protection, police courts, sanitation and public health, education, institutions of public charity and correction, playgrounds, parks, city planning, and the liquor traffic. The policy of municipal ownership of public utilities will be examined in its various aspects. The course is open only to those students who have attended the minor course in economics and politics.

Methods of Social Research, Dr. Parris.

Two hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

The course begins with a brief account of modern institutions for social research and social reform. Various methods of social research will then be studied and reports required on special problems in social statistics, and the collection and graphical representation of material. Booth's *Life and Labour in London*, Bailey's *Modern Socia Conditions* and Henderson's *Modern Methods of Charity* will be used as text-books. The course is open only to those students who have attended the minor course in economics and politics.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Public Economy, Dr. Williamson. *Two hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

This course begins with a discussion of the nature of the public economy and its relation to private economics. An examination of theories of the economic activity of the modern state is followed by a discussion of public expenditure, its objects, its growth in modern democratic societies, and its social and industrial effects. Problems of public health, care of the dependent classes, the economic burden of war and the preparation for war, state forestry and the general problem of the conservation of natural resources, are discussed in this connection. The tax system in American states and cities, together with the general principles of taxation, are discussed fully. Attention is also called to the nature and signficance of the non-tax revenues. The course concludes with a brief study of state and local budgets and public debts.

Industrial Problems, Dr. Williamson. *Three hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

The lectures of this course deal with certain economic problems which involve political action. Among the more important subjects taken up are the following: problems of money and banking; the commercial policy of the principal countries with special reference to the tariff situation in the United States; the rise of the transportation problem and a comparison of the methods of government control in use in various countries; industrial combinations, their development and their relation to the state. Typical combinations will be studied and the results of anti-trust legislation examined. The aim is to put before the student the significant facts of our commercial and industrial development, accompanied by an economic analysis of the problems created and a discussion of the political factors to be reckoned with in their solution.

Utilitarian Theory in Economics, Dr. Parris.

Three hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

The object of this course is to study the influence of utilitarian ethical theory in shaping the thought of the English classical school. Hume, Paley, Bentham, Adam Smith, James Mill, Ricardo, Malthus and J. S. Mill are read critically. The lectures are supplemented by written reports on specially assigned reading and by oral and written quizzes.

Sociology and the Social Institutions, Dr. Parris.

Two hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

This course is designed to introduce the students to the problems of modern sociology. The first semester's work will be a review of the literature of sociology. The students will read selections from the works of Comte, Spencer, Giddings, Ratzenhofer, Small, and others. In the second semester the genesis and history of the social institutions will be studied; the family, church, state, the institution of private property, corrective and preventive institutions, etc. The lectures are supplemented by written reports and specially assigned reading, and by written and oral quizzes.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more consecutive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Economic Seminary, Dr. Williamson. *Two hours a week throughout the year.*

(*Given in each year.*)

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1910–11 labor problems are studied in the seminary. The rise of the problems is traced, the history and functions of labor organisations are discussed and considerable attention is paid to the principles of labor legislation.

In 1911–12 various important social and economic problems caused by the growth of monopolies will be studied. The aim is to develop general principles upon which a democratic state should proceed in an effort to subject its railroads, trusts, and other more or less non-competitive industries to a wise social control.

In 1912–13 the seminary will make a study of the history and theories of socialism, the purpose being to trace the origin and development of current socialistic doctrines and movements and to examine carefully the arguments for and against socialism in order to reach some conclusion as to the possibility or practicability of making socialistic theories a basis for economic and social reforms.

Economic Seminary, Dr. Parris. *Two hours a week throughout the year.*

(*Given in each year.*)

In 1910–11 the modern German theory of value is the subject of the seminary. The main object of the seminary is to define certain psychological and philosophical positions. The works of Ehrenfels, Meinong, Kraus, Kreibig, and Chuel are studied and criticised.

In 1911–12 the theories of capital and interest of modern German, Italian, and American economists will be studied and critically compared.

In 1912–13 the subject of the seminary is a critical study of modern theories of value. A short historical introduction serves as a review of the principal economic theories of value in the English and German schools.

Economic Journal Club, Dr. Williamson and Dr. Parris.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations are presented for discussion, comment, and criticism.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory, Dr. M. Phillips Mason, Associate in Philosophy, Dr. Clarence Errol Ferree, Associate in Psychology, Dr. Grace Mead Angus de Laguna, Associate (elect) in Philosophy, and Miss Marion Reilly, Reader in Philosophy. The instruction offered in this department covers thirty-six hours of lectures a week: it includes a required course of five hours a week; ten hours a week of undergraduate major and minor work; two hours a week of free elective work; five hours a week of post-major work open only to graduates and undergraduates who have completed the major course in philosophy; and fourteen hours a week of graduate work.

A course in philosophy, five hours a week throughout one year, is required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, or physics.

Required Course.

History of Philosophy, Dr. de Laguna. *Three hours a week throughout the year.*

(*Given in each year.*)

The object of this course is to give a general survey of the history of philosophy. The first semester is devoted to a study of Greek and mediæval thought. In the second semester the lectures deal with the development of modern philosophy from Descartes to Kant. In conclusion the main features of post-Kantian idealism are briefly indicated.

Psychology, Dr. Leuba. *Two hours a week throughout the year.*

(*Given in each year.*)

The text-book used is James's *Psychology, Briefer Course.* In connection with the lectures there are demonstrations of pertinent psycho-physical facts.

FIRST YEAR.

(*Minor Course.*)

1*st Semester.* (*Given in each year.*)

Major Course.

Elementary Ethics, Dr. de Laguna. *Three hours a week.*

(Open only to those students who have taken the general course in the History of Philosophy. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

This course forms a critical and historical introduction to ethical science. It is conducted by means of lectures, discussions, and supplementary reading. In 1911–12 this course will be given by Dr. G. M. A. de Laguna in the second semester.

The Psychology of Instinct, Emotion, and the Will, Dr. Leuba. *Two hours a week.*

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

2*nd Semester.*

Problems in Philosophy, Dr. Mason. *Three hours a week.*

(Open only to those students who have taken the general course in the History of Philosophy. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

In this course certain fundamental questions in philosophy are discussed in detail, such as substance and cause, mechanism and teleology, monism and pluralism, idealism and materialism, optimism and pessimism. In 1911–12 this course will be given by Dr. T. de Laguna in the first semester.

Experimental Psychology, Dr. Ferree. *Two hours a week.*

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

This course counts as the equivalent of two hours a week for one semester; one hour a week is given to lectures on experimental psychology and two and a half hours a week to laboratory work.

SECOND YEAR.

1st Semester. (*Given in each year.*)

Empiricism and Rationalism, Dr. Mason. *Three hours a week.*

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course is devoted to a discussion of selected works of Descartes, Spinoza, Leibnitz, and Hume. In 1911–12 this course will be given by Dr. G. M. A. de Laguna.

Experimental Psychology, Dr. Ferree. *Two hours a week.*

(Open only to those students who have taken the minor course in Psychology. May be taken as a free elective by students not electing the philosophical group.)

This course counts as equivalent to two hours a week; during the first semester two and a half hours of laboratory work and one hour of lectures are given in place of two hours of lectures. In the laboratory the experimental work of the minor year is continued.

2nd Semester.

Philosophy in the Nineteenth Century, Dr. de Laguna. *Three hours a week.*

(*Given in* 1910–11 *and again in* 1911-12.)

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course is introduced by a series of lectures upon Kant's system. The post-Kantian idealism and the philosophies of Comte and Spencer occupy the greater part of the semester.

The Philosophy of Kant, Dr. de Laguna. *Three hours a week.*

(*Given in* 1912–13.)

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course consists of a general introduction to Kant's system, with an intensive study of portions of the *Critique of Pure Reason.*

Psychology (Animal Psychology), Dr. Leuba. *Two hours a week.*

(Open only to those students who have taken the minor course in Psychology. May be taken as a free elective by students not electing the philosophical group.)

In this semester the laboratory work is discontinued and two hours a week of lectures are given. The genesis and growth of mental life with reference to animal psychology are treated.

Group: Philosophy with Greek, *or* with English, *or* with economics and politics, *or* with mathematics, *or* with physics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Theory of Pragmatism, Dr. de Laguna. *One hour a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism.*

Elementary Logic, Dr. de Laguna. *One hour a week throughout the year.*

(*Given in* 1911–12.)

An introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

Elementary Logic, Dr. Mason. *One hour a week during the first semester.*

(*Given in* 1910–11.)

The Philosophy of Nature, Dr. Mason.

One hour a week during the second semester.

(*Given in* 1910–11.)

This course is an introduction to the study of the fundamental postulates of natural science. Such problems as the following will be discussed: the value of mathematical principles in natural science, the necessity of time and space as fundamental principles, the meaning of induction, the relation of the inorganic world to the organic, the relation of psychology to natural science, and finally the place of natural science in the world of knowledge and its relation to ethics and æsthetics.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Types of Metaphysical Theory, Dr. Mason.

Two hours a week throughout the year.

(*Given in each year.*)

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced its implications and relationships are examined and criticised. The particular subjects elected vary from year to year.

Advanced Experimental Psychology, Dr. Leuba and Dr. Ferree.

Three hours a week throughout the year.

(*Given in each year.*)

This course is intended to prepare students to take up graduate work in psychology. It consists of one lecture a week given by Dr. Ferree and of five hours laboratory work in qualitative and quantitative psychology under the direction of Dr. Leuba and Dr. Ferree.

GRADUATE COURSES.

Graduate Courses.

Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy and psychology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work.

Ethical Seminary, Dr. de Laguna. *Three hours a week throughout the year.*
(*Given in each year.*)

The subject of the seminary is either a study of one of the chief problems of ethics or metaphysics or a critical examination of some important movement of thought.

In 1910–11 the subject is English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1911–12 the subject of the seminary will be the ethics of Plato. The dialogues in which moral questions are prominently discussed are read in approximately chronological order; and the development of Plato's ethics is studied in the light of its interrelations with his theories of knowledge and of reality.

In 1912–13 Hume and his contemporaries will be studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

Metaphysical Seminary, Dr. Mason. *Two hours a week throughout the year.*
(*Given in each year.*)

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1910–11 the subject of the seminary will be the theory of knowledge. The general nature of knowledge, its structure and its relation to the mind, are studied. An attempt is made to develop the criteria of truth and to show what bearing these criteria have on experience. The work centres in a study of Kant's *Critique of Pure Reason.*

In 1911–12 the subject of the seminary will be contemporary realism, especial attention being given to the various phases of the moment in England and in this country. Its historical sources, and its relations to subjective idealism as well as to absolute idealism and pragmatism, will be carefully studied. The seminary will be conducted by Dr. G. M. A. de Laguna.

Modern Problems in Logic, Miss Reilly. *Two hours a week throughout the year.*
(*Given in* 1910–11.)

This course is conducted according to seminary method.

Philosophical Journal Club, Dr. de Laguna and Dr. Mason.
Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Psychological Seminary, Dr. Leuba. *Two hours a week throughout the year.*
(*Given in each year.*)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology.

Systematic Psychology, Dr. Ferree. *Three hours a week throughout the year.*
(Given in each year.)

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics; sensation, the simpler sense complexes, perception and idea, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Journal Club, Dr. Leuba and Dr. Ferree.
One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Leuba and Dr. Ferree.

The laboratory work consists of individual practice and research.

Education.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory. The instruction offered covers five hours of lectures a week; it includes two hours a week of free elective work, and three hours a week of graduate work.

It is the purpose of the department to offer to students intending to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In addition to the lectures open to undergraduates, courses will be organised for graduate students only, conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

FREE ELECTIVE COURSE.

Free Elective Course.

Education, Dr. Leuba. *Two hours a week throughout the year.*

(*Given in each year.*)

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

GRADUATE COURSES.

Graduate Courses.

Graduate students are recommended to follow the work offered in the free elective course.

No undergraduates are admitted to graduate courses.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc., Dr. Leuba. *Two hours a week throughout the year.*

(*Given in each year.*)

The Psychology of Mental and Bodily Growth with reference to Education, Dr. Leuba. *One hour a week throughout the year*

(*Given in* 1911–12.)

A knowledge of elementary psychology is assumed in this course.

The Methods and Principles of Teaching, Dr. Leuba.

One hour a week throughout the year.

(*Given in* 1910–11.)

This course is open only to graduate students who have already taught or to those who have taken practice courses in teaching.

History of Art and Classical Archæology.

The instruction in this department is under the direction of Miss Georgiana Goddard King,* Reader in English and Lecturer in Art, Mr. C. Leonard Woolley, Non-resident Lecturer in Egyptian Art, and Miss Lily Ross Taylor, Reader and Demonstrator in the History of Art and Classical Archæology, and an instructor whose appointment will be announced later. The instruction offered in this department covers ten hours a week of lectures; it includes eight hours a week of undergraduate minor and major work; one free elective course of one hour a week, and three hours a week of graduate work.

The major course is planned to give an introduction to the study of classical archæology and a brief survey of Early Christian, mediæval and Renaissance art. It is intended especially for classical students, to supplement their work in classical languages and literature by acquainting them with the material remains of antiquity and with Greek and Roman life as illustrated by the monuments. It is hoped that the courses offered will give classical students a better appreciation both of the artistic achievement of the Greeks and Romans and of its influence on later art. The free elective and graduate courses provide for advanced work in classical archæology and in Egyptian art.

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* Granted leave of absence for the year 1911–12.

First Year.

(*Minor Course.*)

Major Course.

Greek and Roman Sculpture, Miss Taylor.

Three hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912-13.)

The course consists of a study of the development of Greek sculpture from its beginning to the end of the Hellenistic period. The last six weeks of the second semester are devoted to a survey of Roman Sculpture.

Gothic Architecture, Miss King. *Two hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France with parallels from English ecclesiastical architecture. This course will be given three hours a week in 1912–13.

Painting in the Seventeenth and Eighteenth Centuries, Miss King.

Two hours a week throughout the year.

(*Given in* 1912–13.)

In the first semester the Dutch and Flemish painters will be studied, in the second semester the French, Spanish and English. The course will begin with a short consideration of the Primitives in France and the Low Countries and with the earlier English schools of landscape and portrait painting.

Ancient Painting including Vase Painting.

Two hours a week throughout the year.

(*Given in* 1912–13.)

This course is concerned chiefly with vases and with Pompeian wall-paintings. A good collection of original material for the illustration of Greek vases is in the possession of the department. The course is illustrated with lantern slides.

Second Year.

Italian Renaissance Painting from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

Three hours a week throughout the year.

(*Given in* 1913–14.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy.

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* This course will be given by an instructor whose appointment will be announced later.

Greek and Roman Architecture.*

Three hours a week throughout the year.

(*Given in* 1911–12.)

Introduction to Classical Archæology.*

Two hours a week during the first semester.

(*Given in* 1911–12.)

Greek and Roman architecture, coins, small bronzes, and terra-cottas are studied. The course is illustrated with lantern slides.

Greek and Roman Life.*

Two hours a week during the second semester.

(*Given in* 1911-12.)

FREE ELECTIVE COURSES.

Free Elective Courses.

Egyptian Art, Mr. Woolley. *One hour a week during the first semester.*

(*Given in* 1910–11.)

The architecture, sculpture, pottery, and other material remains of ancient Egypt are considered beginning with the prehistoric period and continuing to the time of the Roman supremacy in Egypt. Special attention is given to subjects bearing on the art of Greece. The lectures are illustrated with lantern slides.

Pompeian Life and Art, Miss Taylor

One hour a week during the second semester.

(*Given in* 1910–11.)

The course deals chiefly with wall painting and with the importance of Pompeii in the study of Roman private life.

GRADUATE COURSES.

Graduate Courses.

Three hours a week of seminary work and graduate lectures are offered each year to graduate students of archæology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and elective courses of the department amounting to six hours a week may be elected by graduate students.

Archæological Seminary.* *Two hours a week throughout the year.*

(*Given in each year.*)

This seminary is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1911–12 the subjects of the seminary are Cretan antiquities in the first semester, and Greek and Roman pottery in the second semester.

In 1912–13 Greek and Roman coins will be studied in the first semester and Greek and Roman sculpture will be the subject of the seminary in the second semester.

In 1913–14 the subject of the seminary will be topography and monuments of Rome in the first semester, and Greek vases of the fifth century B. C. will be studied in the second semester.

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* This course will be given by an instructor whose appointment will be announced later.

Archæological Journal Club.*

One and a half hours once a fortnight throughout the year.

(*Given in each year.*)

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Mr. Harry Bateman, Lecturer in Mathematics. The instruction offered in mathematics covers twenty-three and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes ten hours a week of undergraduate minor and major work, five hours a week of free elective work, four hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A.D.

Preparatory Course.

The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective or may be counted as a part of the year of mathematics which may be taken as an alternative for the second year of required science. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

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* This course will be given by an instructor whose appointment will be announced later.

FIRST YEAR.

(*Minor Course.*)

1*st Semester.* (*Given in each year.*)

Major Course.

Analytical Conics, Dr. Scott. *Three hours a week.*

Trigonometry, including Series, Dr. Scott. *Two hours a week.*

The course in trigonometry may be taken separately as a free elective.

The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

2*nd Semester.*

Elementary Differential and Integral Calculus, Mr. Bateman. *Three hours a week.*

Algebra and Theory of Equations, Mr. Bateman. *Two hours a week.*

The three hour and two hour courses in this semester may not be elected separately.

SECOND YEAR.

1*st Semester.* (*Given in each year.*)

Differential and Integral Calculus, Mr. Bateman. *Three hours a week.*

Theory of Equations, Determinants, and Differential Equations, Mr. Bateman. *Two hours a week.*

2*nd Semester.*

Analytical Geometry of two and three Dimensions, History of Mathematics, Dr. Scott. *Three hours a week.*

Curve Tracing, Dr. Scott. *Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately.

Group: Mathematics with Greek, *or* with Latin, *or* with Philosophy, *or* with Physics, *or* with Chemistry, *or* with Geology.

FREE ELECTIVE COURSES.

Free Elective Courses.

Fundamental Theorems of Algebra and Geometry, Dr. Scott. *One hour a week throughout the year.*

(*Given in* 1910-11 *and again in* 1912–13.)

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Graphic Mathematics, Dr. Scott. *One hour a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913-14.)

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Mathematics Preparatory to Science, Mr. Bateman.

Two hours a week throughout the year.

(*Given in each year.*)

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry and differential equations. Some problems in probability are also considered. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Elementary Course in Applied Mathematics, Mr. Bateman.

Two hours a week throughout the year.

(*Given in* 1911–12.)

This course comprises an elementary treatment of the most important mathematical problems of statics, dynamics, hydrodynamics, optics, heat, sound, astronomy, an account of Newton's *Principia*, and a brief historical sketch. The subject in 1911–12 will be Descriptive Astronomy, and the course will be given if the course in Mathematics Preparatory to Science is not given. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four or five hours a week. The courses given are the following, with occasional modifications:

I. (*a*). Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry.*

or I. (*b.*) Lectures on Modern Pure Geometry.

or I. (*c.*) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take the course I (*c*) before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (*a.*) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or II. (*b.*) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or II. (*c.*) Lectures on Differential Equations, ordinary and partial.

or II. (*d.*) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

In 1910–11 the following post-major courses are offered:

I. (*c.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*b.*) Mr. Bateman.	*Two hours a week throughout the year.*

In 1911–12 the following post-major courses are offered:

I. (*a*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*d.*) Mr. Bateman.	*Two hours a week throughout the year.*

In 1912–13 the following post-major courses are offered:

I. (*b.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*c.*) Mr. Bateman.	*Two hours a week throughout the year.*

GRADUATE COURSES.

Graduate Courses.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to four hours a week may be elected by graduate students.

Theory of Surfaces, Dr. Scott. *Two hours a week throughout the year.*

(*Given in* 1910–11.)

In this course a general knowledge of plane algebraic curves and the elements of solid analytical geometry is presupposed. During the first semester the simpler properties of non-singular surfaces and projective properties of curves and developables are taken up; the classification of curves, the properties of ruled surfaces, and singularities of surfaces in general are treated in the second semester.

Plane Algebraic Curves, Dr. Scott. *Two hours a week throughout the year.*

(*Given in* 1911–12.)

The course deals with the general theory of plane algebraic curves, with special attention to topological investigations.

Rational Curves, Dr. Scott. *Two hours a week throughout the year.*

(*Given in* 1912–13.)

Elliptic Functions, Mr. Bateman. *Two hours a week throughout the year.*

(*Given in* 1910–11.)

The properties of Weierstrass's functions are deduced from the definition of $\sigma(u)$ as a doubly infinite product. The transformation of elliptic integrals is then considered and the relations between the Jacobian and Weierstrassian elliptic functions deduced therefrom. The general properties of elliptic functions and of a number of allied functions are considered.

A large number of geometrical and dynamical problems are solved with the aid of elliptic functions and special attention is paid to curves of deficiency one. The transformation of elliptic functions and problems in conformal representation are discussed and some applications to differential and algebraic equations are considered.

Definite Integrals and Integral Equations, Mr. Bateman.

Two hours a week throughout the year.

(*Given in* 1911–12.)

The first part of the course deals with the convergence of definite integrals, the evaluation of definite integrals and various operations on definite integrals. The second part of the course will be devoted to integral equations and the solution of differential equations by means of definite integrals.

Linear Differential Equations, Mr. Bateman.

Two hours a week throughout the year.

(*Given in* 1912–13.)

This course consists of a discussion of the general theory of these equations, particular attention being paid to those of the second order. A detailed account is given of those equations whose singular points are regular. The expression of the variables as uniform functions of a parameter is dealt with and in this connection the elementary properties of automorphic functions are given. Solution by means of definite integrals and equations of the type which arise in connection with mathematical physics are discussed.

Mathematical Journal Club, Dr. Scott and Mr. Bateman.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. Nettie Maria Stevens, Dr. James Barnes, Dr. Frederick Hutton Getman, Dr. Chester Albert Reeds, Dr. Harriet Randolph, Miss Gertrude Langden Heritage, Miss Mabel Kathryn Frehafer, and Miss Abigail Camp Dimon.

In January, 1893, the trustees opened Dalton Hall, a large building containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The physical, chemical, and biological laboratories are open to students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the

Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men.*

The value of a practical knowledge of biology and chemistry as preliminary or accessory to the professional study of medicine is generally recognised. Through the courtesy of the Woman's Medical College of Pennsylvania, allowance is made in its professional courses for work carried on at Bryn Mawr in the scientific laboratories. Students of Bryn Mawr College that have completed major courses in chemistry and biology are released from the primary, or first year's examination in this college, and from laboratory practice in chemistry and biology. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University, and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Every effort is made to enable students of medicine to complete the studies necessary to their purpose in the shortest possible time.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate in Physics, and Miss Mabel Kathryn Frehafer, Demonstrator in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one hour a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

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* RESOLUTIONS ADOPTED BY THE BOARD OF TRUSTEES OF THE JOHNS HOPKINS UNIVERSITY, ON FEB. 6TH, 1893.

"A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as Candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University.

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of Physics, Chemistry, and Biology as is imparted by the regular minor courses† given in these subjects in this University.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

† By a minor course is understood one that requires one year for its completion. In the languages, the course involves five class-room exercises a week; in Physics, four class-room exercises and three hours a week in the laboratory; and in Chemistry and Biology, four class-room exercises and five hours a week in the laboratory in each subject.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(*Minor Course.*)

1st Semester. (*Given in each year.*)

Major Course.

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff. *Five hours a week.*

Laboratory Work, Dr. Huff and Miss Frehafer. *Four hours a week.*

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes. *Five hours a week.*

Laboratory Work, Dr. Barnes and Miss Frehafer. *Four hours a week.*

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Crew's *General Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Theoretical Mechanics, Theory of Light, Dr. Barnes. *Five hours a week.*

Laboratory Work, Dr. Barnes and Miss Frehafer. *Five hours a week.*

2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff. *Five hours a week.*

Laboratory Work, Dr. Huff and Miss Frehafer. *Five hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics;* the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat,* Preston, *Theory of Heat;* dynamics: selections from Tait and Steele's *Dynamics of a Particle,* Jeans's *Theoretical Mechanics;* and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism;* optics, physical and geometrical: Preston, *Theory of Light,* Edser, *Light.*

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, *or* with Mathematics, *or* with Chemistry, *or* with Geology, *or* with Biology.

FREE ELECTIVE COURSE.

Historical Development of Physics, Dr. Huff. *One hour a week throughout the year.*

Free Elective Course.

The work of this course consists of lectures, required reading and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

Spectroscopy, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1910–11.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie.* Detailed reports of laboratory investigations are required and in this work Mann's *Manual of Advanced Optics* will be found useful.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(*Given in* 1911–12)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. Emphasis is laid upon giving clear ideas of physical phenomena. A large number of problems on potential and attraction are assigned.

General Optics, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1912–13.)

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

(*Given in* 1913–14.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*

(*Given in* 1913–14).

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to the work of Helmholtz and of Rayleigh.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of physics accompanied by the direction of private reading, laboratory work and original research, and these courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

Radioactivity and Discharge of Electricity through Gases, Dr. Huff.

Three hours a week during the first semester.

(*Given in* 1910–11.)

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory, Dr. Huff. *Three hours a week during the second semester.*

(*Given in* 1910–11.)

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Physical Optics, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1911–12.)

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of important investigations, which illustrate the theory.

Mathematical Theory of Electricity and Magnetism, Dr. Huff.

Three hours a week throughout the year.

(*Given in* 1912-13.)

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Thermo-dynamics and Radiation, Dr. Barnes.

Three hours a week throughout the year.

(*Given in* 1913–14.)

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Physical Journal Club, Dr. Huff and Dr. Barnes.

One hour a week throughout the year.

(*Given in each year.*)

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in work in the laboratory. The laboratory is provided with special rooms for magnetic, optical and electrical work, and in the basement is a constant-temperature vault designed for accurate comparison of lengths, etc. The stock of apparatus is being added to yearly. A well-equipped shop and a skilled mechanic make it possible to construct special forms of apparatus designed for research.

Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. Frederick Hutton Getman, Associate in Chemistry, and Miss Gertrude Langden Heritage, Demonstrator in Chemistry. The instruction offered in chemistry covers nineteen hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, three hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in both inorganic and organic chemistry, making an elementary course that is complete in itself.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are mainly on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

First Year.

(Minor Course.)

(Given in each year.)

1st Semester.

Major Course.

Introduction to General Chemistry, Dr. Kohler. *Five hours a week.*

Laboratory Work, Dr. Kohler and Miss Heritage. *Four hours a week.*

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed. Throughout the semester the lectures and the laboratory work are complementary. The laboratory work of each day is outlined in the lecture, sufficient instruction being given to enable the students to observe intelligently. After all the experiments on a given subject have been made, the results are discussed in the class-room.

2nd Semester.

Introduction to Organic Chemistry, Dr. Getman. *Two hours a week.*

This course is designed to meet the needs of students who take only one year of chemistry; but the material is so selected that it serves as an introduction to the more systematic course given in the second year. An effort is made to give an accurate conception of the underlying principles of organic chemistry.

Qualitative Analysis, Dr. Getman. *Three hours a week.*

Laboratory Work, Dr. Getman and Miss Heritage. *Four hours a week.*

This course consists of lectures, reviews, and laboratory work in qualitative analysis, the object being to familiarise the students with the properties and distinguishing characteristics of inorganic substances, and with the help of a systematic scheme of analysis to separate and identify various substances.

SECOND YEAR.

1*st Semester.* (*Given in each year.*)

Lectures on Theoretical Chemistry, Dr. Getman. *Five hours a week.*

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria.

Laboratory Work, Dr. Getman. *Four hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2*nd Semester.*

Organic Chemistry, Dr. Kohler. *Five hours a week.*

This course presupposes a knowledge of the elements of organic chemistry as given in the first year, and is devoted to a systematic and detailed study of organic compounds.

In the lectures the typical compounds are studied in detail; the general relations existing between classes of compounds, as well as the methods of transforming one class into another, are discussed. The experimental processes and the reasoning employed in determining constitutional or structural formulas are considered, and an attempt is made to trace the influence of organic investigations on the development of general chemistry.

Laboratory Work, Dr. Kohler and Miss Heritage. *Four hours a week.*

The laboratory work is devoted to organic preparations. A few simple substances are first studied with care. These are then transformed in a variety of ways to illustrate the relations on which the method of classifying organic compounds is based. Finally the same substances are used as material with which to build up more complex compounds in order to illustrate the synthetical methods by which the complicated organic compounds occurring in nature can be prepared in the laboratory.

Group: Chemistry with Mathematics, *or* with Physics, *or* with Geology, *or* with Biology.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Inorganic Chemistry, Dr. Getman. *Three hours a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry and to lay a foundation for independent work in this subject. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

The laboratory work includes the calibration of instruments; the preparation of pure substances; advanced quantitative analysis, comprising the elements of gas and water analysis; and such physico-chemical measurements as the needs of the individual student may indicate.

Organic Chemistry, selected topics, Dr. Kohler.

Three hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general, the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of chemistry accompanied by the direction of private reading, laboratory work, and original research. The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Kohler, or in inorganic and physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of their minor subjects. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

Chemical Seminary, Organic Chemistry, Dr. Kohler.

One hour a week throughout the year.

(*Given in each year.*)

The students who specialise in organic chemistry present formal reports upon assigned topics.

Chemical Seminary, Inorganic Chemistry, Dr. Getman.

One hour a week throughout the year.

(*Given in each year.*)

The course consists of lectures, required reading, and reports on various topics. Modern determinations of atomic weight, the constitution of the chromic chlorides, the separation of the rare earths and radio-activity have been among the subjects treated. The needs of the individual students are considered in selecting the subjects for discussion.

Advanced Organic Chemistry, Dr. Kohler.

Three hours a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

Physical Chemistry, Dr. Getman. *Three hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

The lectures give a general survey of the subject, including the laws of gases, the elements of thermodynamics, the theory of solutions, chemical kinetics, equilibria and thermo-chemistry and electro-chemistry. The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances, the study of reaction velocities, calorimetry, and electro-chemical measurements.

Chemical Journal Club, Dr. Kohler and Dr. Getman.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, and Dr. Chester Albert Reeds, Associate in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, two hours a week of free elective work, two post-major courses equivalent to three hours a week open only to graduates and to undergraduates that have completed the major course in geology and three graduate courses equivalent to five, three and two hours a week respectively.

The first year of the major course in geology is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The purpose of the course is to make clear to the student the present constitution, form and evolution of the earth's crust, to promote keen and accurate observation of natural phenomena, and to give some insight into the nature of geological problems.

The second year of the major course deals with the rocks and minerals of the earth's crust, and also affords training in structural geology.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(Minor Course.)

1st Semester. *(Given in each year.)*

Major Course.

Lectures on Physiography, Dr. Bascom.	*Five hours a week.*
Field Work, Dr. Bascom.	*Two hours a week.*
Laboratory Work, Dr. Bascom.	*Two hours a week.*

The lectures first deal with the character and action of the forces which control the landscape; subsequently the features produced by these physiographic processes are treated; finally physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographical relief models, and maps. No text-book is used, but standard manuals are accessible for reference.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighborhood on Mondays from 2 to 5 P.M. during the autumn and spring. As the course progresses, more extended excursions may be taken among the crystalline rocks of the South Mountain Range or the fossiliferous formations of the Coastal Plain. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Lectures on Historical Geology, Dr. Reeds.	*Five hours a week.*
Field Work, Dr. Reeds.	*Two hours a week.*
Laboratory Work, Dr. Reeds.	*Two hours a week.*

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves frequent excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, the Mesozoic and Cenozoic formations of New Jersey, and to natural history museums in Philadelphia and New York.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Lectures on Megascopic Petrology, Dr. Reeds. *Five hours a week.*

Field Work, Dr. Reeds. *Two hours a week.*

Laboratory Work, Dr. Reeds. *Two hours a week*

The lectures discuss the materials which constitute the earth's crust; the chief precious stones, the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models.

In the laboratory crystal forms, rock-forming minerals, and rock types are systematically studied.

Field excursions will be made to mineral localities in the vicinity of the college.

2nd Semester.

Lectures on Glaciology and Structural Geology, Dr. Bascom. *Five hours a week.*

Field Work, Dr. Bascom. *Two hours a week.*

Laboratory Work, Dr. Bascom. *Two hours a week.*

The lectures treat of the conditions, work and origin of the glacial period, the development of man, the causes and effects of crustal movements, and hypotheses of the origin and age of the earth. The course is illustrated with models, photographs and lantern slides.

In the laboratory topographic maps and models illustrating features due to glaciation and maps and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Mathematics, *or* with Physics, *or* with Chemistry, *or* with Biology.

FREE ELECTIVE COURSES.

Free Elective Courses.

Palæogeography, Dr. Bascom. *One hour a week throughout the year.*

(*Given in* 1911–12 *and in each succeeding year if the time of the department permits.*)

The work of the course will be conducted by means of lectures, required reading and class-room discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Lectures on Meteorology, Dr. Reeds.

Two hours a week during the first semester.

(*Given in each year.*)

The course consists of lectures on atmospheric phenomena illustrated by a selected series of lantern slides. Weather maps and forecasts are received daily from Washington and Philadelphia, and, by means of these, weather conditions in the United States are studied and observations are made on phenomena attending storms.

Lectures on Oceanography, Dr. Reeds.

Two hours a week during the second semester.

(*Given in each year.*)

The course consists of a study of the ocean. The lectures treat of the temperatures, salinity, movements, life and sedimentation of the ocean. They are illustrated by lantern slides.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Lectures on Petrography, Dr. Bascom. *Two hours a week throughout the year.*

Field Work, Dr. Bascom. *Three hours a week throughout the year.*

Laboratory Work, Dr. Bascom.

Two and a half hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Lévy are used for reference. Special field problems are given to the students for independent solution.

Lectures on Palæontology, Dr. Reeds. *Two hours a week throughout the year.*

Field Work, Dr. Reeds. *Three hours a week throughout the year.*

Laboratory Work, Dr. Reeds. *Two and a half hours a week throughout the year.*

The course presupposes a knowledge of historical geology. A systematic study is made of the various classes of animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Weekly excursions are made to neighboring fossiliferous localities to collect fossils, and to observe their occurrence in the rocks. The student has access, not only to the representative palæontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of geology accompanied by the direction of private reading, laboratory work, and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to four hours a week may be elected by graduate students.

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate course in stratigraphy is designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; it may also be taken by graduate students in biology who wish to make stratigraphy a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Lectures on Petrology, Dr. Bascom. *One hour a week throughout the year.*

Field Work, Dr. Bascom. *Four hours a week throughout the year.*

Laboratory Work, Dr. Bascom. *Eight hours a week throughout the year.*

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research-work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Lectures on Mineralogy, Dr. Bascom. *One hour a week throughout the year.*

Laboratory Work, Dr. Bascom. *Three hours a week throughout the year.*

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Lectures on Stratigraphy, Dr. Reeds. *One hour a week throughout the year.*

Field Work, Dr. Reeds. *Three hours a week throughout the year.*

Laboratory Work, Dr. Reeds.
Three and a half hours a week throughout the year.

A detailed study is made of the rocks of one or more geological periods. The faunas and floras in these rocks are studied with respect to their development and to their associations in the various geographic areas, zoologic provinces, and geologic formations. The students study the literature bearing on the periods under consideration, and in the field make a systematic investigation of an assigned area in the vicinity of the college.

Geological Journal Club, Dr. Bascom and Dr. Reeds.
One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens, Associate in Experimental Morphology, Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany, and Miss Abigail Camp Dimon, Demonstrator in Biology. The instruction offered in biology covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour a week of free elective work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and four hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

FIRST YEAR.

(Minor Course.)

1st Semester. *(Given in each year.)*

Major Course.

Lectures on General Biology, Dr. Tennent. *Four hours a week.*

Lectures on Plants, Dr. Randolph. *One hour a week.*

Laboratory Work, Dr. Tennent and Dr. Randolph. *Four hours a week.*

2nd Semester.

Lectures on Vertebrates, Dr. Warren.
Five hours a week for the first nine weeks.

Lectures on the Embryology of the Chick, Dr. Tennent.
Five hours a week for the last four weeks.

Laboratory Work, Dr. Tennent, Dr. Warren, and Dr. Randolph.
Four hours a week.

It is the object of this course to give the student clear conceptions of the fundamental principles of vital structure and action, the outlines of general classification, and the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiæ of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student examines a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. After certain general preliminary studies of familiar and highly organised forms, the student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Animal Physiology, Dr. Warren. *Five hours a week.*

Laboratory Work, Dr. Warren and Dr. Randolph. *Four hours a week.*

A knowledge of scientific physiology is conveyed by a detailed account of the microscopic structure and the mode of working of the higher animal organisms. The application of this knowledge to hygiene, medicine, and psychology is indicated.

The chief organs and tissues of the vertebrate body are examined with the microscope. Considerable time is given to familiarising the student with the preparation and mounting of material for microscopical study. The fundamental facts of physiology and the methods of physiological inquiry are taught by means of demonstrations and experiments by the students. The laboratory has a good equipment of apparatus, to which additions are constantly made.

2nd Semester.

General Zoology, Dr. Tennent. *Two hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life and a systematic presentation of the more important facts of general morphology.

Comparative Anatomy of Mammals, Selected topics, Dr. Warren. *Two hours a week.*

Theoretical Biology, Dr. Tennent. *One hour a week.*

In this course the student is introduced to some of the leading questions of theoretical general biology. The first part of the course treats of the history of biological discovery with special reference to the development of the more important generalisations and theories of the science. The latter part is mainly devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology, such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character.

Laboratory Work, Dr. Tennent, Dr. Warren and Dr. Randolph.

Four hours a week.

In the laboratory thorough dissections are made of typical forms, illustrating the leading groups of animals. A portion of the course is devoted to a study of the sense organs.

Group: Biology with Physics, *or* with Chemistry, *or* with Geology.

FREE ELECTIVE COURSE.

Free Elective Courses.

Theoretical Biology, Dr. Tennent. *One hour a week throughout the year.*

(*Given in* 1910–11 *and again in* 1912–13.)

This is a historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Birds, Dr. Randolph. *One hour a week during the second semester.*

(*Given in* 1911–12.)

This course consists of lectures, the examination and classification of museum specimens, and the study of habits, distribution, migration, etc., of birds. The required laboratory work of one and one half hours a week will consist of field excursions.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Embryology of Vertebrates, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1910–11 *and again in* 1912–13.)

This course consists of lectures, assigned reading and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick and Pig. At least five hours of laboratory work will be required.

The course is divided as follows: First semester. Embryology of Vertebrates (*a*). Early stages of development. Second semester. Embryology of Vertebrates (*b*). Organogeny.

Advanced Zoology, Dr. Tennent. *One hour a week during the first semester.*

(*Given in* 1913–14.)

This course of lectures, assigned reading and laboratory work is intended to supplement the major course in zoology and must precede the post-major course in cytology. It is designed as a beginning research course. The course has varied from year to year, the molluscs, protochordates and echinoderms having in turn served as the basis of study. If the student is sufficiently prepared, some problem in animal morphology will be assigned. At least four hours of laboratory work will be required.

Advanced Physiology, Dr. Warren. *One hour a week throughout the year.*

(*Given in each year.*)

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation. In suitable cases and by special permission of the instructor this course may be extended by laboratory work and private reading. In this way it may be made equivalent to a course of two or three hours a week.

Lectures on the Structure and Function of the Central Nervous System, Dr. Warren. *One hour a week throughout the year.*

(*Given in each year.*)

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry, Dr. Warren. *Two hours a week throughout the year.*

(*Given in each year.*)

The instruction in this course is given by lectures and conferences on selected topics and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry at least equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology, Dr. Warren. *One hour a week throughout the year.*

(*Given in each year*).

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Protoplasm, the Cell, and Cytological Technique, Dr. Stevens. *One hour a week throughout the year.*

(*Given in each year.*)

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. To be taken as a two hour course with four hours laboratory.

Experimental Morphology, Dr. Stevens. *One hour a week throughout the year.*

(*Given in each year.*)

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behavior of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries Oenothera mutants. This course may, in exceptional cases, be taken as a one hour course with one and a half hours laboratory work or assigned reading, but it is recommended that it be taken with four or six and a half hours laboratory work as a two or three hour course.

Laboratory Work, Dr. Tennent, Dr. Warren and Dr. Stevens.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to seven hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Stevens, or in animal physiology under the guidance of Dr. Warren.

Embryology of Echinoderms, Dr. Tennent.
One hour a week throughout the year.
(*Given in* 1910–11.)

Embryology of Invertebrates, Dr. Tennent.
One hour a week throughout the year.
(*Given in* 1912–13.)

The embryology of invertebrates with special reference to germinal organisation, cleavage and differentiation, and to the problems of inheritance and development is studied. This course varies in accordance with the needs of the students in the department.

The Evolution of Organisms, Dr. Tennent.
One hour a week throughout the year.
(*Given in* 1913–14.)

The lectures deal with the growth of the idea of organic evolution. The course is historical in character; when previously given much time was devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

The Interstitial Secretion of Glands ("Internal Secretion"), Dr. Warren.
One hour a week during the first semester.
(*Given in* 1910–11.)

Selected Problems in Respiration and their bearing on the nature of metabolism, and the problem of animal heat (Thermometry and Calorimetry), Dr. Warren. *One hour a week during the second semester.*
(*Given in* 1910–11.)

An Introduction to the History and Literature of Animal Physiology, Dr. Warren. *One hour a week during the first semester.*
(*Given in* 1911–12.)

The Problem of the Knee-jerk, and a discussion of the graphic method in its application to physiology, Dr. Warren.
One hour a week during the second semester.

(*Given in* 1911–12.)

Selected Problems of Nutrition with special reference to recent discussions of standard diets, Dr. Warren. *One hour a week throughout the year.*

(*Given in* 1912–13.)

Cytology, Dr. Stevens. *One hour a week throughout the year.*

(*Given in each year.*)

The course deals with the anatomy of the cell, and the relations and functions of its various structure in unicellular and multicellular organisms. Special attention will be given to the phenomena of karyokinesis and sexual reproduction and the theories connected therewith. Considerable time will be devoted to the consideration of problems in insect spermatogenesis.

Advanced Experimental Morphology: Mendelism and Eugenics, Dr. Stevens. *One hour a week during the first semester.*

(*Given in* 1911–12.)

The course includes a full discussion of Mendel's principles of heredity, and modern genetics, followed by a consideration of eugenics from the Mendelian standpoint.

Biometry, Selection and the Pure Lines of Johannsen, Dr. Stevens.
One hour a week during the second semester.

(*Given in* 1911–12.)

Biometrical methods of value to students of zoology, botany and physiology will be studied in this course. The Pure Lines of Johannsen will be discussed in connection with the application of biometry to the study of evolution.

Sex-Determination, and Some Problems in Regeneration, Dr. Stevens.
One hour a week during the first semester.

(*Given in* 1912–13.)

The literature and theories of sex determination will be discussed; and some of the theoretical problems connected with recent studies on regeneration will be considered.

The Mutation Theory and Germinal Localisation, Dr. Stevens.
One hour a week during the second semester.

(*Given in* 1912–13.)

The experimental work of De Vries, MacDougal, Tower and others will be made use of in discussing the mutation theory of the *Origin of Species*, special attention being devoted to the details of the experiments and to the methods employed. Experiments on the fertilised and unfertilised egg, not included in the courses on embryology, will be discussed under the topic Germinal Localisation.

By request of students registering for the course in experimental morphology, one or both courses offered in 1911–12 may be substituted for those offered for 1912–13.

Biological Journal Club, Dr. Tennent, Dr. Warren and Dr. Stevens.
One hour a week throughout the year.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent, Dr. Warren and Dr. Stevens.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the college, the Director of Athletics and Gymnastics, the Senior Warden and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Visiting Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia, whose names may be found in the list of academic appointments, have consented to serve as consulting physicians of the college and will be consulted in cases requiring their advice. The Visiting Physician will be in her college office during the hours from four to six of every afternoon except Sunday and may be consulted by the students without charge.

Students on the sick list are under the care of the attending physicians and the Dean of the College. Students on the special supervision list and all other students not on the sick list are under the immediate care of the Director of Athletics and Gymnastics, who keeps careful records of the health of all students and endeavors by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students.

The infirmary fee of $5.00 paid by every resident student entitles her to the services of the two nurses employed by the college and, when there are vacancies, to the use of the college infirmary for illnesses of not more than five days' duration without extra charge. In the case of longer illnesses or of diseases of an infectious character the student must meet the expense of a nurse and also hospital or sanitarium charges for board and residence should she be removed from the college by order of the Physician in Chief. The Physician's fees must be paid by the student except for consultations with the Visiting Physician of the college during her office hours in the college.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students on account of illness before and after vacations and from attendance on academic work.

Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Elizabeth L. Gray, Assistant Director of Athletics and Gymnastics.

The gymnasium (see page 178) is open for the use of students from 7 A.M. to 10 P.M. daily. Four periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis, hockey, and riding; in the winter, water polo, lacrosse, indoor base ball, skating, swimming meet, fencing, and indoor track athletics; in the spring, basket ball, cricket, and tennis. All students who cannot satisfy the swimming test are required to take six lessons in swimming. No undergraduate student will be excused from the required exercise except by order of the Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student, while exercising in the gymnasium, must wear a gymnasium suit of the pattern prescribed by the Director.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighborhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological Seminaries, containing collections of photographs, vases, and coins. The main building contains the Reference Book Room, the Semitic Languages Seminary, the Christian Association Library for the non-resident students, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain fourteen seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, and Philosophy in the north wing; Mathematics, History, Economics and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, and five interview rooms.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, the Students' Association for Self-Government, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A.M. till 10 P.M. and on Sundays from 2 P.M. till 10 P.M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a luncheon-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnæ and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 A.M. till 10 P.M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnæ, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air competely in every room once in every ten minutes throughout the lay and night. The temperature is regulated by thermostats n the heating coils as well as in the individual rooms. The lectric lights, including electric reading-lamps for each student, re installed in the most approved manner and the voltage is ept constant so that there is no fluctuation. A constant and bundant supply of hot water is laid on and maintained at a emperature of 180 degrees during all the twenty-four hours of he day, in all the bathrooms and stationary wash-stands and ea pantries.

The Delaware and Atlantic Telegraph and Telephone Com- any, a branch of the long-distance Bell Telephone Company, aintains telephone pay stations in each of the halls of residence, n the library and in the gymnasium, by means of which the tudents may be communicated with at any time. Near the col- ge are a Postal Telegraph-Cable Company office (service 6 A.M. 12 P.M.), an Adams Express office, a United States money- rder office, and two banks. There are good roads in every direc- on. Horses for riding and driving may be kept at livery near e college at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49 + [1] p., O. Baltimore, The Friedenwald Company. 1896.

BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidæ, Jassidæ, Cercopidæ and Fulgoridæ. p. 470-512, O. 9 pl. Baltimore, 1907.
Reprint from *Journal of Experimental Zoölogy,* vol. 4, No. 4.

BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Macon, Protat Frères, 1905.
Reprint from *Revue Hispanique,* t. xii.

BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31 + [1] p., O. Baltimore, The Friedenwald Company. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. 1, No. 1.

BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.
Revised reprint from *Journal of Morphology,* vol. 9, No. 2.

BYRNES, ESTHER FUSSELL. The Maturation and Fertilisation of the Egg of Limax Agrestis (Linné). p. 201-236 + [1] p., O. Boston, Ginn and Company, publishers. The Athenæum Press. 1899.
Reprint from *Journal of Morphology,* vol. 16, No. 1.

CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. 3.

ELLIS, ELLEN DEBORAH. Introduction to the History of Sugar as a Commodity. 117 p., O. Philadelphia, The John C. Winston Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. 4.

EMERY,* ANNIE CROSBY. The Historical Present in Early Latin. 120 + [3] p., O. Ellsworth, Maine, Hancock Publishing Company 1897.

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*Mrs. Francis Greenleaf Allinson.

Evers, Helen Margaret. Critical edition of the discours de la vie de Pierre de Ronsard, par Claude Binet. iv + 190 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. 2.

Franklin, Susan Braley. Traces of Epic Influence in the Tragedies of Æschylus. 81 p., O. Baltimore, The Friedenwald Company, 1895.

Gentry, Ruth. On the Forms of Plane Quartic Curves. [7] + 73 p., O. 13 pl., New York, Robert Drummond. 1896.

Hall, Edith Hayward. The Decorative Art of Crete in the Bronze Age. 47 pp. 3 pl. The John C. Winston Co., Philadelphia, 1907.

Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania,* vol. 2, part 1. 1906.

Harper, Carrie Anna. The Sources of the British Chronicle History in Spenser's Faerie Queene. p. 190, O. The John C. Winston Co., Philadelphia, 1910.

Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. vii.

Hussey, Mary Inda. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.

Reprint from *American Journal of Semitic Languages,* vol. 23, No. 2. January, 1907.

King, Helen Dean. The Maturation and Fertilisation of the Egg of Bufo Lentiginosus. p. 293-350, O. Boston, Ginn and Company, publishers. The Athenæum Press. 1901.

Reprint from *Journal of Morphology,* vol. 17, No. 2.

Laird, Elizabeth Rebecca. The Absorption Spectrum of Chlorine. p. 85-115, O.

Reprint from *Astrophysical Journal,* vol. 14, No. 2. September, 1901.

Leftwich,* Florence. *La Vie Seint Edmund le Rei.* An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.

Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. v.

Lord, Eleanor Louisa. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial experiments in the British colonies of North America. 10 + 154 p., O.

Johns Hopkins University Studies, Extra volume, 17. Baltimore, 1898.

Lowater, Frances. The Spectra of Sulphur Dioxide. p. 324-342, O.

Reprint from the *Astrophysical Journal,* vol. 23, No. 4, May, 1906.

Lyon,† Dorothy Wilberforce. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192.

American Journal of Philology, vol. 19. 1898.

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*Mrs. S. Prioleau Ravenel. †Mrs. Emmons Bryant.

MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.

Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. 1, No. 2.

MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.

Reprint from *Quarterly Journal of Mathematics,* vol. 28. 1896.

MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.

Reprint from *American Journal of Mathematics,* vol. 23, No. 3.

NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.

NICHOLS, HELEN HAWLEY. The composition of the Elihu Speeches, Job Chaps. XXXII-XXXVII. 95 p., O. 1911.

Reprint from *American Journal of Semitic Languages and Literatures,* vol. 28, No. 2. January, 1911.

PARRIS, MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. The John C. Winston Co., Philadelphia, 1909.

PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53 + [1] p., O. Leipzig, Wilhelm Engelman. 1900.

PERKINS,* ELIZABETH MARY. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C. Printed by Judd and Detweiler. 1904.

RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.

Reprint from *American Journal of Mathematics,* vol. 28, No. 4.

REIMER, MARIE. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.

Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. 1, No. 2.

REYNOLDS, GRACE POTTER. The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoxyl Groups. 29 p., O. Eschenbach Printing Co., Easton, Pa., 1910.

---

*Mrs. Eric C. W. S. Lyder.

RITCHIE, MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57 + [1] p., O. Philadelphia, Avil Printing Company. 1902.

SCHAEFFER,* HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl. O. 1908.

Reprint from *Astrophysical Journal,* vol. 28, 1908.

STEVENS, NETTIE MARIA. Further Studies on the Ciliate Infusoria, Licnophora and Boveria. 45 p. 6 pl., O. 1903.

Reprint from *Archiv für Protistenkunde,* Bd. iii.

STITES, SARA HENRY. Economics of the Iroquois. 159 + vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. 1, No. 3.

SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with special reference to its Development in Anglo-Saxon. 49 + [1] p., O. Baltimore, The Friedenwald Company. 1893.

TRAVER, HOPE. The Four Daughters of God. A Study of the Versions of this Allegory, with especial reference to those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.

Reprint from *Bryn Mawr College Monographs, Monograph Series,* vol. vi.

URDAHL,† MARGERETHE. On certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

WARREN,‡ WINIFRED. A Study of Conjunctional Temporal Clauses in Thukydides. 76 + [3] p., O. Berlin, printed by Unger Brothers. 1897.

WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press, 1905.

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*Mrs. William Bashford Huff. †Mrs. Lewis Albert Anderson.
‡Mrs. George Arthur Wilson.

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Schedule of Lectures, First Semester, 1911-12.

.M.	COURSE.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
9	Matriculation Courses. General. Minor. Major. Elective. Graduate.	Greek (Kirk). German (Jeffers). French (Haeberli). Philosophy (T. de Laguna). Greek, Plato (Sanders). French, Literature. History, Mediaeval. Comparative Literature, Epic (Hatcher). Mathematics (Scott). Chemistry (Kohler). German, Literature (Jessen). Physics (Barnes). Geology (Reeds).	Greek (Kirk). German (Jeffers). French (Haeberli). Psychology (Leuba). Greek, Homer (Wright). French, Reading (Schinz). History, Mediaeval. Mathematics, Trigonometry (Scott). Chemistry (Kohler). German, Composition (Lasch). Historical Development of Physics (Huff).	Greek (Kirk). German (Jeffers). French (Haeberli). Philosophy (T. de Laguna). Greek, Plato (Sanders). French, Reading. History, Mediaeval. Comparative Literature, Epic (Hatcher). Mathematics (Scott). Chemistry (Kohler). German, Literature (Jessen). Meteorology (Reeds). Biology. Petrography (Bascom). Physics (Barnes).	Greek (Kirk). German (Jeffers). French (Haeberli). Psychology (Leuba). Greek, Homer (Wright). French, Composition (Schinz). History, Mediaeval. Mathematics, Trigonometry (Scott). Chemistry (Kohler). German, Faust (Jessen). Old Testament Canon (Barton). Palaeogeography (Bascom). Physics, Jour. Club (Huff and Barnes). Biology, Journal Club (Tennent, Warren).	Greek (Kirk). German (Jeffers). French (Haeberli). Philosophy (T. de Laguna). Greek, Composition (Sanders). French Literature. History, Mediaeval. Comparative Literature, Epic (Hatcher). Mathematics (Scott). Chemistry (Kohler). German, Reading (Jessen). Meteorology (Reeds). Biology (Warren). Physics (Barnes). Geology (Bascom).
10	General. Minor. Major. Elective. Post-major. Graduate.	Eng. Lit., 2d yr. (Donnelly). German Grammar (Lasch). Spanish (DeHaan). Biology (Dimon). Latin, Tacitus (Wheeler). Comparative Literature, Sonnet (Hatcher). History, Modern (Smith). Philosophy (G. de Laguna). Geology (Reeds). Physics (Huff). Chemistry (Kohler).	Eng. Comp., 2d yr., Occa. Mtgs. German, Literature (Jessen). Spanish (DeHaan). Biology (Dimon). Latin, Literature (Frank). Comparative Literature, 19th Cent. Romanticism (Upham). History, Modern (Smith). Geology (Reeds). Logic (T. de Laguna). Mathematics, Preparatory to Science (Bateman).	Eng. Lit., 2d yr. (Donnelly). German, Composition (Lasch). Spanish (DeHaan). Biology (Dimon). Latin, Tacitus (Wheeler). Comparative Literature, Sonnet (Hatcher). History, Modern (Smith). Philosophy (G. de Laguna). Geology (Reeds). Graphic Mathematics (Scott). Physics (Huff). Chemistry (Kohler).	Eng. Comp., 2d yr., Occa. Mtgs. German, Literature (Jessen). Spanish (DeHaan). Biology (Dimon). Latin, Literature (Frank). Comparative Literature, 19th Cent. Romanticism (Upham). History, Modern (Smith). Psychology (Ferree). Geology (Reeds). Mathematics, Preparatory to Science (Bateman). Chemistry Journal Club (Kohler and Getman).	Eng. Lit., 2d yr. (Donnelly). German, Reading (Lasch). Spanish (DeHaan). Biology (Dimon). Latin, Tacitus (Wheeler). Comparative Literature, Sonnet (Hatcher). History, Modern (Smith). Philosophy (G. de Laguna). Geology (Reeds). Physics (Huff). Chemistry (Kohler).
11	General. Minor. Major. Post-major. Graduate.	Eng. Lit., 1st yr. (Donnelly). Mid. English Poetry (Moore). Philosophy (T. de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Upham). Italian (Holbrook). Spanish, Reading (DeHaan). Mathematics (Bateman). Chemistry (Getman). Systematic Psychology (Ferree), 11.30-1. Mineralogy (Bascom).	Eng. Comp., 1st yr., Occa. Mtgs. English Drama (Donnelly). Psychology (Leuba). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). Spanish, Literature (DeHaan). Mathematics (Bateman). Chemistry (Getman). Biology (Warren). Mineralogy (Bascom).	Eng. Lit., 1st yr. (Donnelly). Mid. English Poetry (Moore). Philosophy (T. de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Upham). Italian (Holbrook). Spanish, Grammar (DeHaan). Mathematics (Bateman). Chemistry (Getman).	Eng. Comp., 1st yr., Occa. Mtgs. English Drama (Donnelly). Psychology (Leuba). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). Spanish Literature (DeHaan). Mathematics (Bateman). Chemistry (Getman). Systematic Psychology (Ferree) 11.30-1. Biology (Stevens).	Eng. Lit., 1st yr. (Donnelly). Mid. English Poetry (Moore). Philosophy (T. de Laguna). Oriental History (Barton). Econs. and Politics (Parris). Physics (Huff). English, Classical and Romantic Prose (Upham). Italian (Holbrook). Spanish, Reading (DeHaan). Mathematics (Bateman). Chemistry (Getman). Mineralogy (Bascom).
12	Minor. Major. Elective. Graduate.	Latin, Livy (Wheeler). Eng. 19th Cent. Critics (Upham). Italian (Holbrook). Geology (Bascom). Greek, Demosthenes (Sanders). French, Literature (Schinz). Econs. and Politics. Physics (Barnes). Biology (Warren). Greek and Roman Architecture.	Latin, Horace (Frank). Eng., Anglo-Saxon (Moore). Italian (Holbrook). Geology (Bascom). Greek, Literature (Wright). French, Reading. Econs. and Politics. Physics (Barnes). Biology (Warren). Classical Archaeology. Descriptive Astronomy (Bateman).	Latin, Livy (Wheeler). Eng., 19th Cent. Critics (Upham). Italian (Holbrook). Geology (Bascom). Greek, Aristophanes (Sanders). French, Reading (Schinz). Econs. and Politics. Physics (Barnes). Biology (Warren). Greek and Roman Architecture.	Latin, Horace (Frank). English, Anglo-Saxon (Moore). Italian (Holbrook). Geology (Bascom). Greek, Literature (Wright). French, Composition. Econs. and Politics. Physics (Barnes). Biology (Warren). Classical Archaeology. Descriptive Astronomy (Bateman).	Latin, Composition (Wheeler). Eng., 19th Cent. Critics (Upham). Italian (Holbrook). Geology (Bascom). Greek, Demosthenes (Sanders). French, Literature (Schinz). Econs. and Politics. Physics (Barnes). Biology (Warren). Greek and Roman Architecture.

2	Elective.	Biology, Minor (Dimon). New Testament Biography (Barton).	Geology, Minor (Bascom). Biology, Minor (Dimon). New Testament Biography (Barton).		Chemistry, Major (Getman). Geology, Major (Reeds). Biology, Major (Warren).	Chemistry, Major (Getman). Geology, Major (Reeds). Biology, Major (Warren).
	Post-major.	Methods of Social Research (Parris). Greek, Plato (Sanders). Econs. and Politics. Metaphysics (G. de Laguna). Mathematics (Scott).	Methods of Social Research (Parris). Greek, Plato (Sanders). Spanish (DeHaan). Econs. and Politics. Metaphysics (G. de Laguna). Mathematics (Scott).	Greek, Sophocles (Sanders). Latin, Composition (Frank). German, Reading (Jessen). Spanish (De Haan). Econs. and Politics.	Greek, Theocritus (Wright). Latin, Lucretius (Frank). German, Literature (Jessen). Spanish (DeHaan). French, Short Story (Schinz). Econs. and Politics (Parris).	Greek, Theocritus (Wright). Latin, Lucretius (Frank). German, Literature (Jessen). French, Short Story (Schinz). Econs. and Politics (Parris).
	Graduate.	Experimental Morphology (Stevens). Greek Seminary, Plato (Wright), 2-4.	Seminary in English Literature (Donnelly), 2-4. Old French Philology (Holbrook)	Old Provencal (Holbrook).	Seminary in Comparative Literature (Hatcher). 2-4. Old French Philology (Holbrook).	Old Provencal (Holbrook).
3	Laboratory Work.	Physics, Minor (Huff). Chemistry, Minor (Kohler). Geol., Min., F'd W'k (Bascom). Biology, Minor (Dimon).	Psychol., Major (Ferree). Physics, Minor (Huff). Chemistry, Minor (Kohler). Geology, Minor (Bascom). Biology, Minor (Dimon).	Psychology, Major (Ferree).	Psychol., Major (Ferree). Physics, Major (Barnes). Chemistry, Major (Getman). Geology, Major (Reeds). Biology, Major (Warren).	Physics, Major (Barnes). Chemistry, Major (Getman). Geology, Major (Reeds). Biology, Major (Warren).
	Elective.	Eloc., Reading of Shakespeare (King).	Eloc., Reading of Shakespeare (King).		Argumentation (Shearer). Descriptive Writing (Donnelly).	
	Post-major.	Latin, Roman History (Frank). French, The French Drama. History (Smith).	Latin, Roman History (Frank). French, The French Drama. History (Smith). Advanced Experimental Psychology (Leuba, Ferree).	Latin, Roman History (Frank). French, Teachers' Course. History (Smith).	Education (Leuba). Roman Satire (Wheeler). Mid. High German (Lasch). History.	Education (Leuba). Roman Satire (Wheeler). History.
	Graduate.	Mathematics (Bateman). Mid. Eng. Seminary (Moore), 3-4.30. Introduction to Teutonic Philology (Lasch). Old Spanish, Reading (De Haan). Ethiopic (Barton). Economics Seminary (Parris). Psychology Journal Club (Leuba and Ferree).	Mathematics (Bateman). Greek Sem. (Sanders). 3-4.30. Cynewulf and Caedmon (Moore). Seminary in French Literature (Schinz). 3.30-5. Old Norse (Lasch). Elem. Semitic Languages (Barton). Economics Seminary (Parris).	Mid. English Seminary (Moore). 3-4.30. German, Literary Criticism (Jessen). New Testament Greek Seminary (Barton). Economics Seminary. Petrology (Fieldwork) (Bascom).	Greek Sem. (Sanders), 3-4.30. Cynewulf and Caedmon (Moore). Seminary in French Literature (Schinz). 3.30-5. Essays in Spanish (DeHaan). Elem. Semitic Languages (Barton). Philosophy Journal Club (T. de Laguna and G. de Laguna). 3-4.30.	Eng. Journ. Club (Donnelly, Upham, Hatcher and Moore). 3-4.30. Alt. Weeks. Romance Languages Journ. Club (De Haan, Schinz, Holbrook). 3 to 4.30. Alt. Weeks.
4	Graduate.	Seminary in Roman Literature (Frank), 4-6. Seminary in Elizabethan Literature (Hatcher). 4.30-6. Seminary in Teutonic Philology (Lasch). Old French Seminary (Holbrook), 4-6. Hebrew (Barton). Seminary in American History (Smith), 4.30-6. Psychology Sem. (Leuba), 4-6. Mathematical Journal Club (Scott and Bateman). Alt. Weeks.	Latin Journal Club (Wheeler and Frank). 4.30-6. Alt. Weeks. Seminary in English Literature (Upham), 4.30-6. Old French Philology, 1st Year (Holbrook), 4.30-6. History Journal Club (Smith and —), 4-6. Alt. Weeks. Seminary in English History, 4-6. Alt. Weeks. Economics Journal Club (Parris and —), 4-6. Alt. Weeks. Ethical Seminary (T. de Laguna), 4.30-6. School Hygiene (Leuba), 4-6. Mathematics (Bateman), 4-6.	Latin Sem. (Wheeler). 4.30-6. Seminary in Elizabethan Literature (Hatcher). 4.30-6. Old High German (Lasch). Advanced Italian (Holbrook), 4-6. Seminary in American History (Smith). 4.30-6. Mathematics (Scott), 4-6. Advanced Experimental Morphology (Stevens).	Seminary in English Literature (Upham), 4.30-6. Sem. in German Lit. (Jessen), 4-6. Old French Philology, 1st year (Holbrook). 4.30-6. Semitic Seminary (Barton). Historical Method and Criticism, 4-6. Alt. Weeks. Seminary in English History, 4-6. Ethical Seminary (T. de Laguna), 4.30-6. Physiology (Warren).	Latin Sem. (Wheeler), 4.30-6. Old High German (Lasch). Hebrew (Barton). Economics Seminary.
5	Graduate.			Gothic (Lasch). Spanish Literature (DeHaan).	Old Italian Readings (Holbrook).	Gothic (Lasch). Old French Readings (Holbrook).

MESTER, 1911-12.

	FRIDAY, JANUARY 26TH.	SATURDAY, JANUARY 27TH.
1. ec- 15. 11. nd ry, ci-	Latin, Major; Literature, 9–11. English, General; Composition, 2nd year, 9–11. German, Minor; Literature, 9–11. Comparative Literature, Minor; Romanticism, 9–11. Logic, Elective, 9–10.15. Psychology, Major, 9–11. Mathematics Preparatory to Science, Elective, 9–11. Mathematics, Post-Major, Analysis, 2–4.	Greek, Major; Demosthenes, 9–11. Greek, Major; Aristophanes, 11–12.15. Latin, Minor; Livy and Composition, 9–12.15. English, Minor; 19th Century Critics, 9–11. French, Major; Literature and Reading, 9–11. Italian, Minor, 9–12. Greek and Roman Architecture, Elective, 9–11. Physics, Major, 9–12. Geology, Minor, 9–12. Biology, Major, 9–12.

SCHEDULE OF COLLEGIATE EXAMINATIONS, FIRST SEMESTER, 1911-12.

		Wednesday, January 24th.	Thursday, January 25th.	Friday, January 26th.	Saturday, January 27th.
		English, General; Literature, 1st yr., 9–11. English, Minor; Mid. Eng. Poetry, 9–11. English, Major; Classical and Romantic Prose, 9–11. Italian, Major, 9–11. Spanish, Major, 9–12. Oriental History, Minor, 9–12. Philosophy, Minor, 9–11. Mathematics, Major, A, 9–11. Physics, Minor, 9–12. Geology, Post-Major, 9–11. Experimental Psychology, Post-Major, 2–4. Mathematics, Post-Major, Analysis, 2–4.	Latin, Post-Major; Roman Satire, 9–11. Descriptive and Narrative Writing, Elective, 9–11. Argumentation, Elective, 9–11. Middle High German, Post-Major, 9–10.15. History, Post-Major, Eng. History, 9–11. Education, Elective, 9–11. Greek, Post-Major; Theocritus, 2–4. Latin, Post-Major; Lucretius, 2–4. German, Post-Major; Literature and Reading, 2–4. French, Post-Major; The Short Story, 2–4. Spanish, Post-Major, 2–4. Economics, Post-Major; Theoretical Sociology, 2–4.	Latin, Major; Literature, 9–11. English, General; Composition, 2nd year, 9–11. German, Minor; Literature, 9–11. Comparative Literature, Minor; Romanticism, 9–11 Logic, Elective, 9–10.15. Psychology, Major, 9–11. Mathematics Preparatory to Science, Elective, 9–11. Mathematics, Post-Major, Analysis, 2–4.	Greek, Major; Demosthenes, 9–11. Greek, Major; Aristophanes, 11–12.15. Latin, Minor; Livy and Composition, 9–12.15. English, Minor; 19th Century Critics, 9–11. French, Major; Literature and Reading, 9–11. Italian, Minor, 9–12. Greek and Roman Architecture, Elective, 9–11. Physics, Major, 9–12. Geology, Minor, 9–12. Biology, Major, 9–12.
Monday, January 29th.	**Tuesday, January 30th.**	**Wednesday, January 31st.**	**Thursday, February 1st.**	**Friday, February 2nd.**	**Saturday, February 3rd.**
English, General; Composition, 1st year, 9–11. English, Minor; English Drama, 9–11. Economics and Politics, Minor 9–11. Psychology, Minor, 9–11. Mathematics, Major, B, 9–11. Chemistry, Major, 9–12. Biology, Post-Major; Embryology, 2–3.15.	Greek, Matriculation, 9–12. Greek, Minor; Plato, 9–11. Greek, Minor; Composition, 11–12.15 German, Matriculation, 9–12. German, Major; Literature and Reading, 9–11. French, Matriculation, 9–12. French, Minor; Literature and Reading, 9–11. Comparative Literature, Minor; The Epic, 9–11 History, Minor; Mediæval, 9–12. Philosophy, General, 9–11. Classical Archæology, Minor, 9–11. Mathematics, Minor, A, 9–11. Chemistry, Minor, 9–12. Meteorology, Elective, 9–11. Biology, Post-Major; Nervous System, 9–10.15.	Greek, Post-Major; Plato, 9–11. Spanish, Post-Major, 9–11. New Testament Biography, Elective, 9–11. Economics, Post-Major; Industrial Problems, 9–11. Methods of Social Research, Elective, 9–11. Philosophy, Post-Major; Metaphysics, 9–11. Mathematics, Post-Major; Geometry, 9–11. Latin, Post-Major; Roman History, 2–4. Elocution, Elective; Reading of Shakespeare, 2–3.15. French, Post-Major; French Drama, 2–4. History, Post-Major; American Constitutional, 2–4.	Greek, Major; Literature, 9–11. Latin, Minor; Horace, 9–11. English, Minor; Anglo-Saxon, 9–11. French, Major; Reading and Composition, 9–11. Economics and Politics, Major, 9–12. Classical Archæology, Elective, 9–11. Descriptive Astronomy, Elective, 9–11. Greek, Post-Major; Sophocles, 2–3.15. Latin, Post-Major; Composition, 2–3.15	Latin, Major; Tacitus, 9–11. English, General; Literature, 2nd year, 9–11. German, Minor; Reading and Grammar, 9–11 Spanish, Minor, 9–12. Comparative Literature, Major, The Sonnet, 9–11. History, Major; Modern, 9–12. Philosophy, Major, 9–11. Graphic Mathematics, Elective, 9–10.15. Physics, Post-Major, 9–12. Geology, Major, 9–12. Biology, Minor, 9–12. French, Post-Major; Teachers' Course, 2–3.15. Chemistry, Post-Major, 2–5.	Greek, Minor; Homer, 9–11. German, Major; Prose Composition, 9–10.15. German, Major; Faust, 10.30–11.45. French, Minor; Reading and Composition, 9–11. Old Testament Canon, Elective, 9–10.15. Psychology, General, 9–11. Mathematics, Minor, B 9–11. Biology, Post-Major, 2–3.15. Physics, Elective, 9–10.15. Palæogeography, Elective, 10.30–11.45

SCHEDULE OF MATRICULATION EXAMINATIONS, JANUARY-FEBRUARY, 1912.

	Tuesday, January 30th.	Wednesday, January 31st.	Thursday, February 1st.	Friday, February 2nd.	Saturday, February 3rd.
	English Composition, 9.30–12.30. English Grammar, etc., 2.30–4.30. Greek Poets, 4.45–5.45.	Algebra, 9.30–12. Latin Poets, 2.30–4. Greek Composition, 4.15–5.15.	French, 9.30–12.30. History, 2.30–4. Greek Prose Authors, 4.15–5.15.	Geometry, 9.30–12. Latin Composition, 2.30–4. Science, 4.15–5.45.	German, 9.30–12.30. Latin Prose Authors, 2.30–4.30.
Monday, February 5th.	**Tuesday, February 6th.**				
Minor Latin, Section A, 9.30–12.30. Trigonometry, 2.30–4.30.	Minor Latin, Section B, 9.30–12.30. Solid Geometry, 2.30–4.30.				

SCHEDULE OF COLLEGIATE EXAMINATIONS, SECOND SEMESTER, 1911-12.

		Wednesday, May 22nd.	Thursday, May 23rd.	Friday, May 24th.	Saturday, May 25th.
		Greek, Minor; Homer, 9–11. German, Major; Prose Composition, 9–10.15. German, Major; Faust, 10.30–11.45. French, Minor; Reading and Composition, 9–11. Old Testament Canon, Elective, 9–10.15. Psychology, General, 9–11. Mathematics, Minor, B, 9–11. Biology, Post-Major, 2–3.15. Physics, Elective, 9–10.15. Palæogeography Elective, 10.30–11.45.	Latin, Post-Major; Roman Satire, 9–11. Descriptive and Narrative Writing, Elective, 9–11. Argumentation, Elective, 9–11. Middle High German, Post-Major, 9–10.15. History, Post-Major; English, 9–11. Education, Elective, 9–11. Greek, Post-Major; Lucian, 2–4. Latin, Post-Major; Catullus and Horace, 2–4. German, Post-Major; Literature and Reading, 2–4. French, Post-Major; The Short Story, 2–4. Spanish, Post-Major, 2–4. Economics, Post-Major; Theoretical Sociology, 2–4.	English, General; Literature, 1st year, 9–11. English, Minor; Chaucer, 9–11. English, Major; Classical and Romantic Prose, 9–11. Italian, Major, 9–11. Spanish, Major, 9–12. Oriental History, Minor, 9–12. Philosophy, Minor, 9–11. Mathematics, Major, A, 9–11 Physics, Minor, 9–12. Geology, Post-Major, 9–11. Experimental Psychology, Post-Major, 2–4. Mathematics, Post-Major, Analysis, 2–4.	Latin, Major; Literature, 9–11. English, General; Composition, 2nd year, 9–11. German, Minor; Literature, 9–11. Comparative Literature, Minor; Romanticism, 9–11. Logic, Elective, 9–10.15. Psychology, Major, 9–11. Mathematics Prep. to Science, Elective, 9–11 Biology, Minor; Embryology, 9–10.
Monday, May 27th.	**Tuesday, May 28th.**	**Wednesday, May 29th.**	**Thursday, May 30th.**	**Friday, May 31st.**	**Saturday, June 1st.**
Greek, Major; Thucydides, 9–11. Greek, Major; Sophocles, 11–12.15. Latin, Minor; Cicero and Prose Composition, 9–12.15. English, Minor; 19th Century Critics, 9–11. French, Major; Literature and Reading, 9–11. Italian, Minor, 9–12. Greek and Roman Architecture, Elective, 9–11. Physics, Major, 9–12. Geology, Minor, 9–12. Biology, Major; Zoology, 9–11.	English, General; Composition, 1st year, 9–11. English, Minor; English Drama, 9–11. Economics and Politics, Minor, 9–12. Psychology, Minor, 9–11. Mathematics, Major, B, 9–11. Chemistry, Major, 9–12. Biology, Post-Major; Embryology, 2–3.15.	Greek, Post-Major; Melic Poets and Euripides, 9–11. Spanish, Post-Major, 9–11. New Testament Biography, Elective, 9–11. Economics, Post-Major; Industrial Problems, 9–11. Methods of Social Research, Elective, 9–11. Philosophy, Post-Major; Metaphysics, 9–11. Mathematics, Post-Major; Geometry, 9–11 Latin, Post-Major; Cicero and Cæsar, 2–4. Elocution, Elective; Reading of Shakespeare, 2–3.15. French, Post-Major; French Drama, 2–4. History, Post-Major; American Constitutional, 2–4.	Greek, Matriculation, 9–10.30. Greek, Minor; Euripides, 9–11. Greek, Minor; Composition, 11–12.15. German, Matriculation, 9–10.30. German, Major; Literature and Reading, 9–11. French, Matriculation, 9–10.30. French, Minor; Literature and Reading, 9–11. Comparative Literature, Minor; The Pastoral, 9–11. History, Minor; Mediæval, 9–12. Philosophy, General, 9–11. Mathematics, Minor, A, 9–11. Chemistry, Minor, 9–12. Oceanography, Elective, 9–11. Biology, Post-Major; Nervous System, 9–10.15.	Greek, Major; Literature, 9–11. Latin, Minor; Horace, 9–11. English, Minor; Anglo-Saxon, 9–11. French, Major; Reading and Composition, 9–11. Economics and Politics, Major, 9–12. Classical Archæology, Elective, 9–11. Descriptive Astronomy, Elective, 9–11. Biology, Major; Comparative Anatomy, 9–11. Greek, Post-Major; Composition, 2–3.15. Latin, Post-Major; Composition, 2–3.15.	Latin, Major; Comedy, 9–11. English, General, Literature, 2nd year, 9–11. German, Minor; Reading and Grammar, 9–11. Spanish, Minor, 9–12. Comparative Literature, Major; The Drama, 9–11. History, Major; Modern, 9–12. Philosophy, Major, 9–11. Graphic Mathematics, Elective, 9–10.15 Physics, Post-Major, 9–12. Geology, Major, 9–12. Biology, Minor, Vertebrates, 9–11. French, Post-Major; Teachers' Course, 2–3.15. Chemistry, Post-Major, 2–5.

SCHEDULE OF MATRICULATION EXAMINATIONS, SPRING, 1912.

			Thursday, May 30th.	Friday, May 31st.	Saturday, June 1st.
			Minor Latin, Section A, 9.30–12.30. Trigonometry, 9.30–11.30. Minor Latin, Section B, 2.30–5.30. Solid Geometry, 2.30–4.30.	English Composition, 9.30–12.30. English Grammar, etc., 2.30–4.30. Greek Poets, 4.45–5.45.	Algebra, 9.30–12. Latin Poets, 2.30–4. Greek Composition, 4.15–5.15.
Monday, June 3rd.	**Tuesday, June 4th.**	**Wednesday, June 5th.**			
French, 9.30–12.30. History, 2.30–4. Greek Prose Authors, 4.15–5.15.	Geometry, 9.30–12. Latin Composition, 2.30–4. Science, 4.15–5.45.	German, 9.30–12.30. Latin Prose Authors, 2.30–4.30.			

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it; on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

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BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE COURSES

1912

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May, 1912.

Volume V. Part 3.

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BRYN MAWR COLLEGE

CALENDAR

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1912

BRYN MAWR, PENNSYLVANIA.

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BRYN MAWR COLLEGE CALENDAR

1912.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence, Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1912.

JANUARY.

Su.	M.	Tu.	W.	Th.	Fr.	Sa.
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OCTOBER.

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DECEMBER.

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1913.

JANUARY.

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MAY.

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JUNE.

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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 5th, 1913.

Academic Year, 1912–13.

September 24th.	Matriculation examinations begin.
September 30th.	Registration of students. Halls of Residence open for students at three p. m.
October 1st.	Registration of students.
	Matriculation examinations end.
October 2nd.	The work of the twenty-eighth academic year begins at a quarter to nine o'clock.
October 3rd.	Examinations for advanced standing begin.
October 19th.	Senior oral examination in French.
October 24th.	Examinations for advanced standing end.
October 26th.	Senior oral examination in German.
November 18th.	Collegiate and matriculation condition examinations begin.
November 26th.	Collegiate and matriculation condition examinations end.
November 27th.	Thanksgiving vacation begins at one o'clock.
December 2nd.	Thanksgiving vacation ends at nine o'clock.
December 7th.	Senior oral examinations in French and German.
December 18th.	Christmas vacation begins at one o'clock.
January 3rd.	Christmas vacation ends at nine o'clock.
January 4th.	Thursday lectures given.
January 22nd.	Half-yearly collegiate examinations begin.
January 28th.	Matriculation examinations begin.
February 1st.	Collegiate examinations end.
	Annual meeting of the Alumnæ Association.
February 3rd.	Vacation.
February 4th.	Vacation.
	Matriculation examinations end.
February 5th.	The work of the second semester begins at a quarter to nine o'clock.
February 6th.	Examinations for advanced standing begin.
February 27th.	Examinations for advanced standing end.
March 10th.	Collegiate and matriculation condition examinations begin.
March 15th.	Senior oral examinations in French and German.
March 18th.	Collegiate and matriculation condition examinations end.
March 19th.	Easter vacation begins at one o'clock.
March 27th.	Easter vacation ends at nine o'clock.
April 2nd.	Mid-semester examinations in matriculation Greek, German and French.
May 10th.	Senior oral examinations in French and German.
May 20th.	Vacation.
May 21st.	Collegiate examinations begin.
May 29th.	Matriculation examinations begin.

May 31st.	Collegiate examinations end.
June 4th.	Matriculation examinations end.
June 5th.	Conferring of degrees and close of twenty-eighth academic year.

Academic Year, 1913–14.

September 23rd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students. Matriculation examinations end.
October 1st.	The work of the twenty-ninth academic year begins at a quarter to nine o'clock.

Examinations for Matriculation.

Examinations for matriculation are held during the week preceding the opening of each academic year, during the last week but one of each academic year, and during the last week of the first semester of each year.

Spring, 1912.

Thursday, May 30.

Minor Latin, A,	9½—12½
Trigonometry,	9½—11½
Minor Latin, B,	2½—5½
Solid Geometry,	2½—4½

Friday, May 31.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Saturday, June 1.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Monday, June 3.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Tuesday, June 4.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Wednesday, June 5

German,	9½—12½
Latin Prose Authors,	2½—4½

Autumn, 1912.

Tuesday, September 24.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, September 25.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, September 26.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, September 27.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, September 28.

German,	9½—12½
Latin Prose Authors,	2½—4½

Wednesday, October 2.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Thursday, October 3.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Winter, 1913.

Tuesday, January 28.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets	4¾—5¾

Wednesday, January 29.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, January 30.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, January 31.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, February 1.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, February 3.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, February 4.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Spring, 1913.

Thursday, May 29.

Minor Latin, A,	9½—12½
Trigonometry,	9½—11½
Minor Latin, B,	2½—5½
Solid Geometry,	2½—4½

Friday, May 30.

English Composition	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Saturday, May 31.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Monday, June 2.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Tuesday, June 3.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Wednesday, June 4.

German	9½—12½
Latin Prose Authors,	2½—4½

Autumn, 1913.

Tuesday, September 23.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, September 24.

Algebra,	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition,	4¼—5¼

Thursday, September 25.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, September 26.

Geometry,	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, September 27.

German,	9½—12½
Latin Prose Authors,	2½—4½

Wednesday, October 1.

Minor Latin, A,	9½—12½
Trigonometry	2½—4½

Thursday, October 2.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

Winter, 1914.

Tuesday, January 27.

English Composition,	9½—12½
English Grammar, etc.,	2½—4½
Greek Poets,	4¾—5¾

Wednesday, January 28.

Algebra	9½—12
Latin Poets,	2½—4
Greek Grammar and Composition.	4¼—5¼

Thursday, January 29.

French,	9½—12½
History,	2½—4
Greek Prose Authors,	4¼—5¼

Friday, January 30.

Geometry	9½—12
Latin Composition,	2½—4
Science,	4¼—5¾

Saturday, January 31.

German,	9½—12½
Latin Prose Authors,	2½—4½

Monday, February 2.

Minor Latin, A,	9½—12½
Trigonometry,	2½—4½

Tuesday, February 3.

Minor Latin, B,	9½—12½
Solid Geometry,	2½—4½

CORPORATION.

HOWARD COMFORT,*
President.

ASA S. WING,
Treasurer.

EDWARD BETTLE,† JR.,
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THOMAS RAEBURN WHITE.
FREDERIC H. STRAWBRIDGE.
ANNA RHOADS LADD.
ABRAM F. HUSTON.

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* Died April 12, 1912.
† Died April 8, 1912.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1911–12.

President,
M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.

Acting Dean of the College,
MARION EDWARDS PARK, A.M.
Office: Taylor Hall.

Recording Dean and Assistant to the President,
ISABEL MADDISON, B.SC., PH.D.
Office: Taylor Hall.

Secretary,
ANNA BELL LAWTHER, A.B. Office: Taylor Hall.

Recording Secretary.
EDITH ORLADY, A.B. Office: Taylor Hall.

Wardens of the Halls of Residence,
MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.
HELEN REMINGTON CALDER, Radnor Hall.
MABEL HARRIET NORTON, A.B., Denbigh Hall.
EDITH BUELL WRIGHT, A.B., Merion Hall.
JANE RIGHTER, Rockefeller Hall.
ALICE HILL BYRNE, A.B., Assistant Warden, Pembroke Hall.

Comptroller,
JAMES G. FORRESTER, M.A. Office: Taylor Hall.

Business Manager,
MARIA WILKINS SMITH, A.B. Office: Taylor Hall.

Junior Bursar,
MARGARET A. PROCTOR, B.A. Office: Rockefeller Hall.

Librarian,
MARY LETITIA JONES, B.L., B.L.S. Office: The Library.

Director of Athletics and Gymnastics,
CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Physician in Chief,
THOMAS F. BRANSON, M.D. Office hours, 8 to 9.30 and 2 to 3 daily, Rosemont, Pa.

Assistant Physician,
MARIANNA TAYLOR, M.D. Office hours, 2 to 3 daily except Monday, 7 to 8 daily, St. David's, Pa.; Merion Hall, Bryn Mawr College, 4 to 6 daily except Sunday.

Examining Oculist,
HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street, Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1911–12.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877–78; University of Leipsic, 1879–82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885–94.

CHARLOTTE ANGAS SCOTT, D.SC., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880–84; lectured in connection with Newnham College, University of Cambridge, England, 1880–83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885–86; Harvard University, 1888–91; Thayer Scholar, Harvard University, 1889–91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Study and Research in Palestine, 1902–03.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871–72; University of Leipsic, 1872–73; University of Bonn, 1873–79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881–91; Lecturer in Medical Department of the University of the City of New York, 1885–86; Lecturer in Physiology, University of Michigan, 1889.

ELMER P. KOHLER, PH.D., *Professor of Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889–91; Fellow in Chemistry, Johns Hopkins University, 1891–92; Ph.D., Johns Hopkins University, 1892.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891–93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893–95.

ISABEL MADDISON, B.SC., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889–92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892–93, and Fellow in Mathematics, 1893–94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894–95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888–92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Greek, Bryn Mawr College, 1892–93; Fellow in Latin, University of Chicago, 1893–94, and Fellow in Greek, 1894–95; Reader in Greek and Latin, University of Chicago, 1895–96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education and Director of the Psychological Laboratory.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892–93; Fellow in Psychology, Clark University, 1893–95; Ph.D., Clark University, 1896.

Fonger DeHaan, Ph.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885–91; Fellow in Romance Languages, Johns Hopkins University, 1893–94, Assistant in Romance Languages, 1893–95, Instructor in Romance Languages, 1895–96, and Associate in Romance Languages, 1896–97.

Albert Schinz,* Ph.D., *Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892–93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896–97; Instructor in French, Clark University, 1897–98; Instructor in French, University of Minnesota, 1898–99.

Arthur Leslie Wheeler, Ph.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893–96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894–1900.

Henry Nevill Sanders, Ph.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897–98; Lecturer in Greek, McGill University, 1900–02.

William Bashford Huff, Ph.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899–1900, Assistant in Physics, 1900–01, and Instructor in Physics, 1901–02.

William Roy Smith, Ph.D., *Associate Professor of History.*

A.B., University of Texas, 1897, and A.M., 1908; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900–01; Lecturer in History, Barnard College, 1901–02.

Lucy Martin Donnelly, A.B., *Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893–94; Sorbonne and Collège de France, and University of Leipsic, 1894–95.

Karl Detlev Jessen, Ph.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897–98; Ph.D., University of Berlin, 1901; University of Chicago, 1895–98; University of Kiel, 1899; University of Berlin, 1898–1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901–03, and Lecturer on German Literature and Aesthetics, 1904.

Tenney Frank, Ph.D., *Associate Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899–1901; Assistant and Associate in Latin, University of Chicago, 1901–04.

David Hilt Tennent,* Ph.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902–04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

Nettie Maria Stevens,† Ph.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903; Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897, 1898, 1899, and 1900. Graduate Scholar in Biology, Bryn Mawr College, 1900–01; Holder of the President's European Fellowship, 1901–02; Student, Zoological Station, Naples, and University of Würzburg, 1901-02, 1908–09; Fellow in Biology, Bryn Mawr College, 1902–03, and Research Fellow in Biology, 1903–04; Carnegie Research Assistant, 1904–05; Alice Freeman Palmer Research Fellow, 1908–09.

Carleton Fairchild Brown,* Ph.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901–03; Instructor in English, Harvard University, 1903–05.

James Barnes, Ph.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900–03; Fellow, Johns Hopkins University, 1903–04, and Assistant in Physics, 1904–06.

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* Granted leave of absence for the year 1911–12.

† Died May 4, 1912.

Richard Thayer Holbrook, Ph.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893–94, 1895–96; Student in Italy and University of Berlin, 1894–95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896–1901, and Columbia University, 1902–06.

Theodore de Leo de Laguna, Ph.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901–04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904–05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905–07.

Marion Reilly,* A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901; Graduate Student, Bryn Mawr College, 1901–02, 1903, 1903–06; Newnham College, University of Cambridge, Spring, 1907.

Marion Parris, Ph.D., *Associate Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph. D., 1909. Graduate Student, Bryn Mawr College, 1902–05, Fellow in Economics and Politics, 1905–06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906–07.

Frederick Hutton Getman, Ph.D., *Associate in Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893–96; University of Virginia, 1896–97; Fellow in Chemistry, Johns Hopkins University, 1902–03, and Fellow by Courtesy, 1903–04; Carnegie Research Assistant in Physical Chemistry, 1903–04; Lecturer in Physical Chemistry, College of the City of New York, 1904–05, and Lecturer in Physics, Columbia University, 1907–08.

Clarence Errol Ferree, Ph.D., *Associate in Experimental Psychology.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902–03; Assistant in Psychology, Cornell University, 1903–07.

Orie Latham Hatcher, Ph.D., *Associate in Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901–03, and Fellow in English, 1903–04.

Alfred Horatio Upham, Ph.D., *Associate Professor of English Literature.*

A.B., Miami University, 1897, and A.M., 1898; A.M., Harvard University, 1901; Ph.D., Columbia University, 1908. Instructor in Latin and Greek, Miami University, 1897–1900; Graduate Student, Harvard University, 1900–02; Professor of English, Agricultural College of Utah, 1902–05; Columbia University Fellow in Comparative Literature, 1905–06; Associate Professor of English, Miami University, 1906–08, and Professor of English and Head of the Department, 1908–10.

Chester Albert Reeds, Ph.D., *Associate in Geology.*

B.S., University of Oklahoma, 1905; M.S., Yale University, 1907, and Ph.D., 1910. Graduate Scholar, Yale University, 1905–06, and Fellow, 1906–08; Field Assistant, U. S. Geological Survey, 1903–06; Instructor in Mineralogy and Petrology, University of Oklahoma, February to June, 1908.

Agathe Lasch, Ph.D., *Associate in Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906–07; University of Heidelberg, 1907–10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

Grace Mead Andrus de Laguna, Ph.D., *Associate in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903–05; Alice Freeman Palmer Fellow of Wellesley College, 1905–06; Reader in Philosophy, Bryn Mawr College, 1907–08.

James Fulton Ferguson, A.M., *Associate (elect) in Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, and A.M., 1907. Fellow, Yale University, 1906–09; Instructor in Williams College, 1909–10; Instructor in Greek and Latin, Yale College, 1910–12.

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* Granted leave of absence for the year 1911–12.

THOMAS CLACHAR BROWN, PH.D., *Associate (elect) in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Palæontology, Columbia University, 1905–07; Geologist to the Board of Water Supply of New York City, 1907–09; Assistant Professor of Geology, Middlebury College, 1909–11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911–12.

JAMES RYALS CONNER, PH.D., *Associate (elect) in Mathematics.*

A.B., University of Georgia, 1898; Ph.D., Johns Hopkins University, 1909. Johns Hopkins University, 1906–12, Fellow, 1907–09; Carnegie Research Assistant, 1909–11; Johnston Scholar and Fellow by Courtesy, 1911–12.

MARION EDWARDS PARK,* A.M., *Acting Dean of the College.*

A.B., Bryn Mawr College, 1898, and A.M., 1899. Bryn Mawr European Fellow and Graduate Student, Bryn Mawr College, 1898–99; University of Chicago, Autumn Quarter, 1900; American School of Classical Studies in Athens, 1901–02; Instructor in Classics, Colorado College, 1902–03, 1904–06, and Acting Dean of Women, 1903–04; Teacher in Miss Wheeler's School, Providence, R. I., 1906–09.

SAMUEL ARTHUR KING, M.A., *Non-Resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

GEORGIANA GODDARD KING,† A.M., *Reader in English and Lecturer in Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896–97, and Fellow in English, 1897–98. Collège de France, First Semester, 1898–99.

HARRY BATEMAN, M.A., *Lecturer in Mathematics.*

Manchester, England. M.A., University of Cambridge; Graduate in Honours (Senior Wrangler, bracketed) in the Cambridge Mathematical Tripos, 1903, and First Division, First Class, Mathematical Tripos, Part II, 1904; Smith's Prizeman, 1905; Fellow of Trinity College, Cambridge, Student in Göttingen and Paris, 1905–06; Lecturer in Mathematics, University of Liverpool, 1906–07; Reader in Mathematical Physics, Manchester University, 1907–09.

SAMUEL MOORE,‡ PH.D., *Lecturer in English Philology.*

A.B., Princeton University, 1899, and A.M., 1908; Ph.D., Harvard University, 1911. Instructor in English, University of Kansas, 1907-08; Townsend Scholar, Harvard University, 1909-10; Weld Scholar in English, Harvard University, 1910-11.

ELLWOOD AUSTIN WELDEN, PH.D., *Lecturer in French and Sanskrit.*

B.S., University of Pennsylvania, 1903, and Ph.D., 1906. Harrison Scholar in Indo-European Philology, University of Pennsylvania, 1903–04; Fellow, 1904–06; University of Berlin, Summer Semester, 1905; Shattuck Scholar in Indic Philology, Harvard University, 1906–07; Student in Paris and Bologna, 1909–10.

SYDNEY D. M. HUDSON, PH.B., *Lecturer in Political Science.*

Ph.B., University of Syracuse, 1907. President's University Scholar, Columbia University, 1909–10, and George William Curtis Fellow in Political Science, 1910–11.

FREDERICK ALDRICH CLEVELAND, A.B., *Lecturer in History.*

A.B., Cornell University, 1899. Assistant in Modern European History, Cornell University, 1908–09; President White Travelling Fellow and Student, Universities of Freiburg and Heidelberg, 1909–10; Harvard University, 1910–11.

DAVID M. ROBINSON, PH.D., *Non-Resident Lecturer in Classical Archæology.*

A.B., Chicago University, 1898, and Ph.D., 1904. Fellow in Greek, Chicago University, 1899–1901; Student, American School of Classical Studies in Athens, 1901–02, and Fellow, 1902–03; University of Berlin, 1903–04; Assistant Professor of Greek, Illinois College, 1904–05; Associate and Associate Professor of Classical Archæology, Johns Hopkins University, 1905–12.

LOUIS CONS,§ *Lecturer in French.*

Lyons, France. *Bachelier-ès-lettres*, Lyons University, 1896, and *Licencié-ès-lettres*, University of Paris, 1899. The Sorbonne, 1901–04; Certificat d'Etudes Scientifiques, University of Grenoble, 1902; Assistant in French, University of Berlin, 1906–08; French Tutor in the Royal Court of Prussia, 1906–08; Ecole des Hautes-Etudes, Paris, 1909–10. *Officier d'Academie*, 1905.

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* Appointed as Substitute for Dean Marion Reilly.

† Granted leave of absence for the year 1911–12.

‡ Appointed as Substitute for Professor Carleton Fairchild Brown.

§ Appointed as Substitute for Professor Albert Schinz.

CLARENCE HENRY HARING, A.B., B.LITT., *Lecturer (elect) in History.*

A.B., Harvard University, 1907; B.Litt., University of Oxford, 1909. Rhodes Scholar, University of Oxford, 1907–10; John Harvard Fellow of Harvard University, 1908–10; Austin Teaching Fellow in Harvard College, 1910–11; Bayard Cutting Travelling Fellow in History, Harvard University, and Student, University of Berlin, 1911–12.

HARRIET RANDOLPH, PH.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889–90; University of Zürich, 1890–92; Ph.D., University of Zürich, 1892.

REGINA KATHARINE CRANDALL,* PH.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893–94, and Fellow in History, 1894–96; Assistant in History, Smith College, 1896–99; Instructor in History, Wellesley College, 1899–1900.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892–98.

EMMA HAEBERLI, PH.D., *Reader in Elementary French.*

Berne, Switzerland. Ph.D., University of Berne, 1903. Graduate Student, University of Berne, and Tutor in French and German, 1904–05, 1906–09; Instructor in French and German, Virginia College, Roanoke, Va., 1909–10.

MARY JEFFERS, A.M., *Reader in Elementary German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895–98, 1903–04, 1906–07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895–98; Student at the Universities of Munich and Halle, 1898–99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900–01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1897–1907; Student, University of Bonn, Summer of 1895; Private Tutor, 1892–1911; Supervisor of Greek, Latin, German, and History Departments, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905–07.

MARGARET GRACE SKINNER, M.A., *Reader in English.*

Bedford, England. Girton College, University of Cambridge, England, 1902–06; Graduate in Honours, Modern and Mediæval Languages Tripos, Part I, 1905; Part II, 1906; M.A., Trinity College, Dublin, 1908. Teacher of English, Rosemary Hall, Greenwich, Conn., 1907–10.

EDNA ASTON SHEARER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1904; Junior Fellow in Philosophy, Bryn Mawr College, 1904–05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905–06; Fellow in Philosophy, Bryn Mawr College, 1906–07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907–09, and Graduate Student, Bryn Mawr College, 1907–08.

LILY ROSS TAYLOR, A.B., *Reader and Demonstrator in the History of Art and Classical Archæology.*

A.B., University of Wisconsin, 1906. Scholar in Latin, Bryn Mawr College, 1906–07; Fellow in Latin, 1907–08; Reader in Latin and Graduate Student, 1908–09; University of Chicago, Summer Quarter, 1907; University of Bonn, Summer Semester, 1909; American School of Classical Studies in Rome, 1909–10.

ABIGAIL CAMP DIMON,† A.M., *Reader in Biology.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896–97; Assistant Teacher of English in the Utica Academy, 1897–98; Graduate Student, Bryn Mawr College, 1898–99; Tutor, 1900–01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901–04; Teacher of Science in the Balliol School, Utica, 1904–05, and of Science and Mathematics, 1905–08; Teacher in the New School, Utica, 1908–09.

BEATRICE DAW, A.M., *Reader in English.*

A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910.

MARY RUTH ETHELWYN GEORGE, A.B., *Assistant Reader in English.*

A.B., Cornell University, 1911. Hearer, Bryn Mawr College, 1906–10.

CORNELIA CATLIN COULTER, PH.D., *Reader in Latin.*

A.B., Washington University, 1907, and Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Latin, Bryn Mawr College, 1907–08; President's European Fellow and Student, University of Munich, 1908–09; Fellow in Latin, Bryn Mawr College, 1909–10, and Fellow in Greek, 1910–11.

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* Granted leave of absence for the year 1911–12.

† Appointed as Substitute for Professor David Hilt Tennent.

Mary Hamilton Swindler, A.M., *Reader in Latin and Demonstrator (elect) in Art and Archæology.*

A.B., University of Indiana, 1905, and A.M., 1906. Graduate Scholar in Greek, Bryn Mawr College, 1906–07, and Fellow in Greek, 1907–09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909–10; Teacher in the Misses Shipley's School, Bryn Mawr. 1910–11.

Helen Schaeffer Huff, Ph.D., *Reader in Mathematics.*

A.B., Dickinson College, 1903, A.M., 1905, and Ph.D., Bryn Mawr College, 1908. Graduate Scholar in Mathematics, Bryn Mawr College, 1903–04, and Graduate Student in Physics, 1907–08; Fellow in Physics, Bryn Mawr College, 1904–05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905–06; Demonstrator in Physics, Bryn Mawr College, 1906–07; Teacher in the Baldwin School, Bryn Mawr, Pa., 1907–08; Reader in Mathematics, Bryn Mawr College, Semester II, 1909–10.

Helen Estabrook Sandison, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1906, and A.M., 1907. Graduate Scholar, Bryn Mawr College, 1906–07, 1910–11; Assistant Principal of the High School, Brookville, Ind., 1907–08; Fellow in English, Bryn Mawr College, 1908–09; Holder of Special European Fellowship, Bryn Mawr College, and Student, University of Oxford, 1909–10.

Amelia Elizabeth White, A.B., *Assistant Reader in English.*

A.B., Bryn Mawr College, 1901.

Ida Langdon, A.M., *Reader (elect) in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910. Cornell University, 1909–12.

Bertha Sophie Ehlers, A.B., *Reader (elect) in German.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910–12.

Marie Hopp, *Reader (elect) in French.*

Holder of Brevet of the Ecole Supérieure, Paris. Senior Modern Language Mistress in the Girls' High School, Lincoln, England, 1904–08; Teacher of French in Ashley Hall, Charleston, S. C., 1911–12.

Marion Delia Crane, A.B., *Reader (elect) in English and Secretary to the Dean of the College.*

A.B., Bryn Mawr College, 1911. Secretary, the Bryn Mawr School, Baltimore, 1911–12

Mabel Kathryn Frehafer, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908–09; Fellow in Physics, Bryn Mawr College, 1909–10.

Jessie Williams Clifton, A.B., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1911.

Executive Staff.

Anna Bell Lawther, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1897. Assistant Bursar, Bryn Mawr College, 1898–1900; Graduate Student, Bryn Mawr College, 1898–99, 1904–05; Warden of Merion Hall, 1904–05.

Edith Orlady, A.B., *Recording Secretary.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903–05, and Warden of Rockefeller Hall, 1905–06; Graduate Student, Bryn Mawr College, 1903–06, 1907–09.

Martha Gibbons Thomas, A.B., *Warden of Pembroke Hall.*

A.B., Bryn Mawr College, 1889.

Helen Remington Calder, *Warden of Radnor Hall.*

Bryn Mawr College, 1899–1901.

Mabel Harriet Norton, A.B., *Warden of Denbigh Hall.*

A.B., Bryn Mawr College, 1902. Sorbonne, 1907–08; University of California, 1908–09. Teacher of Latin in Snell Seminary, Berkeley, Cal., 1908–11.

Edith Buell Wright, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1900. Private Tutor, 1901–02, 1904–05.

Jane Righter, *Warden of Rockefeller Hall.*

Bryn Mawr College, 1898, 1898–1901.

Alice Hill Byrne, A.B., *Assistant Warden of Pembroke Hall.*

A.B., Wellesley College, 1908. Graduate Student, Bryn Mawr College, 1908–10, 1911–12; Graduate Scholar in Greek, 1910–11.

James G. Forrester, M.A., *Comptroller.*

M.A., University of Edinburgh, 1885. Law School of the University of Edinburgh, 1885–89; Solicitor at Law, 1889.

Maria Wilkins Smith, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1906. Private Tutor and Principal of Class for Girls, Philadelphia, 1906–12.

Margaret A. Proctor, A.B., *Junior Bursar.*

A.B., University of Toronto, 1906. Laboratory Assistant in Physiological Chemistry and Bacteriology, University of Toronto, 1906-08; Dietitian, Department of Public Charities, New York City, 1908–09; Assistant Manager, Whittier Hall Dining Rooms, Barnard College, 1909–10.

Mary Letitia Jones, B.L., B.L.S., *Librarian.*

B.L., University of Nebraska, 1885; B.L.S., New York State Library School, 1892. Acting Librarian and Adjunct Professor of Bibliography, University of Nebraska, 1892–97; Librarian and Assistant Professor of Library Economy, University of Illinois, 1897; Classifier, Iowa State University, 1898; Second Assistant Librarian, Los Angeles Public Library, 1898–99, and Librarian, 1900–05.

Constance M. K. Applebee, *Director of Athletics and Gymnastics.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899–1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899–1901; in the High School, Halifax, Yorkshire, 1900–01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899–1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901–04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

Elizabeth Lawrence Gray, *Assistant Director of Athletics and Gymnastics.*

Graduate, Sargent Normal School of Physical Education, Boston, Mass., 1908. Student, Gilbert Summer Normal School of Classic Dancing, 1908; Instructor in Gymnastics, Playgrounds, Cambridge, Mass., Summer, 1908, 1909.

Mary Ellen Baker, A.B., B.L.S., *Head Cataloguer.*

A.B., Lincoln University, 1900. B.L.S., New York State Library School, 1908. Assistant in Latin, Missouri Valley College, 1901–05, and Librarian, 1902–06. Illinois State Library School, 1906–07; New York State Library School, 1907–08.

Bessie Homer Jennings, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

Mary Warren Taylor, *Secretary to the Department of Athletics and Gymnastics.*

Genevieve Estelle Potter, *Assistant in the Comptroller's Office.*

Mabel Thomas, *Assistant in the Comptroller's Office.*

Ellen Pottberg, A.B., *Assistant to the Business Manager.*

A.B., Bryn Mawr College, 1911.

Thomas F. Branson, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

Marianna Taylor, M.D., *Assistant Physician.*

A.B., Bryn Mawr College, 1903, and M.D., Woman's Medical College of Pennsylvania, 1908. Resident Physician, Woman's Hospital, Philadelphia, 1908–09, and Clinical Instructor, 1910–11; Practicing Physician, St. David's, Pa., 1910–12.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894–96; Instructor in Materia Medica, 1896–1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895–97.

The following physicians have consented to serve as consultants in special cases:

ELLA B. EVERITT, M.D., 1807 Spruce Street, Philadelphia, *Consultant Gynecologist.*

THOMAS MCCRAE, M.D., F.R.C.P., Jefferson Medical College, Philadelphia, *Consultant Physician.*

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 304 S. Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopœdist.*

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

NEW YORK CITY: MISS EMILY REDMOND CROSS, 6 *Washington Square.*

PHILADELPHIA: MRS. ADOLPH E. BORIE, 4100 *Pine Street.*

BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 *Cathedral Street.*

PITTSBURGH, PA.: MRS. JOHN BRUCE ORR, 628 *Maple Lane, Sewickley, Pa.*

SCRANTON, PA.: MISS ALICE BELIN.

SYRACUSE, N. Y.: MRS. FREDERICK A. SAUNDERS, 504 *Ostrom Avenue.*

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

NEW HAVEN, CONN.: MISS ELIZABETH DAY SEYMOUR, 141 *Linden Street.*

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 19 *Buckingham Street, Cambridge.*

FALL RIVER, MASS.: MRS. RANDALL NELSON DURFEE, 435 *Cherry Street.*

WASHINGTON, D. C.: MRS. HERBERT KNOX SMITH, *Cathedral Avenue and Woodley Lane.*

CHICAGO, ILL.: MRS. JAMES FOSTER PORTER, *Hubbard Woods, Ill.*

INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 2006 *N. Pennsylvania Street.*

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 *Francis Street.*

MINNEAPOLIS, MINN.: MISS MARGARET WASHBURN, 2218 *First Avenue, South.*

ST. LOUIS, MO.: MRS. GEORGE GELLHORN, 3871 *Washington Avenue.*

PORTLAND, ORE.: MRS. HENRY MINOR ESTERLY, 376 *North 31st Street.*

LOS ANGELES, CAL.: MISS ELIZABETH DANA MARBLE, 3201 *Figueroa Street.*

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, 177 *13th East Street.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *Ford Place, Arundel.*

The Academic Committee of the Alumnæ.

MARY BIDWELL BREED, PH.D. (*Chairman*), *Office of the Adviser of Women, University of Missouri*, COLUMBIA, MO.

LOUISE BROWNELL SAUNDERS, A.B. (*Secretary*), (Mrs. Arthur Percy Saunders), CLINTON, N. Y.

SUSAN FOWLER, A.B. (*ex-officio*), *420 West 118th Street*, NEW YORK CITY.

GERTRUDE ELIZABETH DIETRICH SMITH, A.B. (Mrs. Herbert Knox Smith), CATHEDRAL AVENUE AND WOODLEY LANE, WASHINGTON, D. C.

NELLIE NEILSON, PH.D., *Mt. Holyoke College*, SOUTH HADLEY, MASS.

FRANCES AMELIA FINCKE, A.M. (Mrs. Learned Hand), *142 East 65th Street*, NEW YORK CITY.

KATHARINE LORD, A.B., PLYMOUTH, MASS.

MARGUERITE B. ARMSTRONG, A.B., *1330 19th Street*, WASHINGTON, D. C.

STUDENTS.

Fellows and Graduate Students, Academic Year, 1911–12.

Tredway, Helen, ... *Bryn Mawr European Fellow.*

Dubuque, Ia. A.B., Bryn Mawr College, 1911. Graduate Scholar in Chemistry, Bryn Mawr College, 1911–12.

Brusstar, Margaret, ... *Mary E. Garrett European Fellow.*

Philadelphia. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903–04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904–10; Graduate Scholar in Mathematics, Bryn Mawr College, 1907–08, Graduate Student, 1908–10, and Fellow in Mathematics, 1910–11; Student, University of Göttingen, 1911–12.

Pinney, Mary Edith, ... *President's European Fellow.*

Wilson, Kan. A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoology, Kansas State University, 1909–10; High School Instructor, Alma, Kan., 1908–09, and Fellow in Biology, Bryn Mawr College, 1910–11; Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911–12.

Roe, Adah Blanche,
Ottendorfer Memorial Research Fellow in Teutonic Philology.

Omaha, Neb. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909–11; Student, University of Berlin, 1911–12.

Macleod, Annie Louise, ... *Research Fellow in Chemistry.*

Grace Bay, Nova Scotia. A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905–08; Assistant in Chemistry, Barnard College, 1908–09; Fellow in Chemistry, Bryn Mawr College, 1909–10, and Research Fellow in Chemistry, 1910–11.

Thompson, Frances D'Arcy, ... *Fellow in Greek.*

Dublin, Ireland. Girton College, University of Cambridge, England, 1903–06. Graduate in Honours, first class, Classical Tripos, Part I, 1906. M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907–08; Classical Mistress in the High School, Portsmouth, England, 1906–08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908–10; Reader in Latin, and Graduate Student, Bryn Mawr College, 1910–11.

Goodrich, Grace Gertrude, ... *Fellow in Latin.*

Ripon, Wis. A.B., Ripon College, 1906, and A.M., 1907. A.M., University of Wisconsin, 1911. Student, American School of Classical Studies in Rome, 1909–10; University of Wisconsin, 1910–11.

Foster, Frances Allen, ... *Fellow in English.*

Providence, R. I. A.B., Brown University, 1909. Scholar in English, Bryn Mawr College, 1909–11.

Crawford, Thyra, ... *Fellow in German.*

Excelsior, Minn. A.B., Goucher College, 1903; A.M., University of Minnesota, 1910. Graduate Student, University of Minnesota, 1908–10. Teacher in the High School, Ada, Minn., 1903–04; Principal of the High School, Excelsior, Minn., 1904–11.

Lansing, Ruth, ... *Fellow in Romance Languages.*

Roxbury, Mass. A.B., Radcliffe College, 1908, and A.M., 1909. Graduate Student, Radcliffe College, 1908–09; Instructor in Wells College, September to November, 1909.

Perry, Lorinda, ... *Fellow in Economics and Politics.*

Melvin, Ill. A.B., University of Illinois, 1909, and A.M., 1910. Radcliffe Fellow, Women's Educational and Industrial Union, Boston, Mass., 1910–11.

Kellogg, Angie Lillian, ... *Fellow in Philosophy.*

Watertown, N. Y. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904–10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911.

McCain, Gertrude Iona, ... *Fellow in Mathematics.*

Delphi, Ind. A.B., Indiana State University, 1908, and A.M., 1911. Teacher in the High School, Delphi, 1897–99; Principal of the Friends' High School, Salem, Ind., 1908–09; Teaching Fellow in Mathematics, Indiana State University, 1910–11.

Gilroy, Helen Turnbull, ... *Fellow in Physics.*

Philadelphia. A.B., Bryn Mawr College, 1909. Graduate Student in Physics, Bryn Mawr College, 1910–11.

Gibbons, Vernette Lois, ... *Fellow in Chemistry.*

Upton, Mass. Sc.B., Mt. Holyoke College, 1896, and A.B., 1899. M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896–97; Assistant in Chemistry, Mt. Holyoke College, 1897–99, and Instructor in Chemistry, 1899–1901; Instructor in Chemistry and Mineralogy, Wells College, 1902–04, and Associate Professor of Chemistry, 1905–06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907–11, and on leave of absence, 1911–12.

Stocking, Ruth Jennings, ... *Fellow in Biology.*

Flushing, O. A.B., Goucher College, 1910. Graduate Student, Johns Hopkins University, 1910–11.

Davis, Esther, ... *British Graduate Scholar.*

Great Bridge, Staffordshire, England. B.A., University of Birmingham, 1909. Graduate Student, University of Birmingham, 1909–11.

Duckett, Eleanor Shipley, ... *British Graduate Scholar.*

Frome, Somerset, England. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908–11; Classical Tripos, Part I, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905–07.

Poulton, Ethel Maud, ... *British Graduate Scholar.*

Great Bridge, Staffordshire, England. B.Sc., University of Birmingham, 1910, and M.Sc., 1911.

Starkey, Clara Beatrice, ... *British Graduate Scholar.*

Bloxwich, Walsall, Staffordshire, England. B.Sc., University of Birmingham, 1910, and M.Sc., 1911. Teacher of Botany in Walsall Municipal Institute, 1910–11.

Bolwin, Lucretia, ... *German Graduate Scholar.*

Geestemünde, Germany. University of Greifswald, 1910–11. Teacher in the Girls' High School of the Ursuline Convent, Aachen, and Frankfort a. Main, 1908–09.

Rehder, Marie, ... *German Graduate Scholar.*

Flensburg, Germany. University of Berlin, 1910–11.

Spreckels, Elisabeth Martha, ... *German Graduate Scholar.*

Dresden, Germany. Realgymnasium für Mädchen, Dresden, 1905–10; Königliche Technische Hochschule, Dresden, Summer Semester, 1911.

Agg, Rachel, ... *Penn College Scholar.*

Oskaloosa, Ia. Ph.B., Penn College, 1911.

Alexander, Willa Bullitt, ... *Economics, Psychology, and Biology.*

Pittsburgh, Pa. A.B., Bryn Mawr College, 1911.

Bills, Marion Almira, ... *Graduate Scholar in Psychology.*

Allegan, Mich. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909–11.

Bird, Emily Maltby, ... *Graduate Scholar in English.*

Gwynedd, Pa. A.B., Swarthmore College, 1909. Graduate Student, University of Pennsylvania, 1909–11. Teacher in Miss Roney's School for Girls, Bala, Pa., 1910–11.

Bliss, Eleonora Frances, ... *Geology.*

Rosemont, Pa. A.B. and A.M., Bryn Mawr College, 1904. Graduate Student, Bryn Mawr College, 1904–05, Graduate Scholar, 1905–06, Assistant Curator of Geological Museum, 1908–09; Graduate Student in Geology, University of California, 1910–11.

Bowerman, Helen Cox, ... *Fellow by Courtesy in Archæology.*

Point Pleasant, N. J. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903. Teacher of English and Latin in the High School, Macedon, N. Y., 1903–05; Instructor in Latin, Western College for Women, Oxford, O., 1905–07; Associate Professor of Latin, 1907–08; Graduate Scholar in Archæology, Bryn Mawr College, 1908–09, and Fellow in Archæology, 1909–11; Studying in Rome, 1910–11.

Bowers, Corinne, ... *French.*

Chambersburg, Pa. B.Mus., Wilson College, 1910.

Bulla, Lillie Elliotte, ... *Guilford College Scholar.*

Sophia, N. C. A.B., Guilford College, 1911.

Byrne, Alice Hill, ... *Greek.*

Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894–96, and Principal, 1899–1900; in Mrs. Blackwood's School, Lancaster, 1896–99, and 1900–01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901–05; Principal of the Shippen School, Lancaster, 1905–09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909–11, and in the Baldwin School, Bryn Mawr, 1911–12. Graduate Student, Bryn Mawr College, 1908–10, and Graduate Scholar in Greek, 1910–11.

Calfee, Marguerite Avelette, ... *Graduate Scholar in Psychology.*

Uvalde, Texas. A.B., University of Texas, 1911.

Carroll, Josephine Eliza, ... *English, History, and Biblical Literature.*

Wilmington, O. A.B., Hiram College, Hiram, O., 1910.

Collins, Ruth, ... *Psychology.*

Pitman Grove, N. J. A.B., Bryn Mawr College, 1910. Instructor in English, Drexel Institute, Philadelphia, and Graduate Scholar in Psychology, Bryn Mawr College, 1910–11.

Darkow, Angela Charlotte, ... *Graduate Scholar in Greek.*

Philadelphia. A.B., Bryn Mawr College, 1911.

Dismorr, Margaret Stewart, ... *Graduate Scholar in Economics.*

Harrow on the Hill, England. Newnham College, University of Cambridge, England, 1907–10; First Class Honours, Cambridge Mediæval and Modern Languages Tripos, 1910; British Graduate Scholar, Bryn Mawr College, 1910–11.

Doolittle, Margaret, ... *Graduate Scholar in Latin.*

Mt. Vernon, N. Y. A.B., Bryn Mawr College, 1911.

Dyer, Mildred, ... *German and Economics.*

Des Moines, Ia. Pe.B., Drake University, 1907, and Ph.B., 1908.

Forman,* Elizabeth Betterton, ... *Italian.*

Ardmore, Pa. A.B., Bryn Mawr College, 1902. Tutor in the Bryn Mawr School, Baltimore, 1902–03; Graduate Student, Bryn Mawr College, 1907–08.

Frehafer, Mabel Kathryn, ... *Physics.*

Philadelphia. A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student in Physics, University of Wisconsin, 1908–09; Fellow in Physics, Bryn Mawr College, 1909–10, and Demonstrator and Graduate Student in Physics, 1910–11.

Gabriel, Grace Ethel, ... *English and Comparative Literature.*

Des Moines, Ia. A.B., State University of Iowa, 1905. Teacher in the High School, Manson, Ia., 1905–06, in the High School, Le Mars, Ia., 1906–08, and in the High School, East Des Moines, 1908–11.

Gatewood, Ethel Geneva, ... *German and Mathematics.*

Crown City, O. B.Sc., Ohio Northern University, 1907. Teacher in the High School, Salineville, O., 1907–08; in the Public Schools, Huntington, W. Va., 1908–09; and Principal of the High School, Atlanta, O., 1909–11.

Gerhard, Elizabeth Hill, ... *French and Italian.*

Lancaster, Pa. A.B., Bryn Mawr College, 1904. Substitute Teacher in the High School, Harrisburg, Pa., 1904–05; Teacher of Mathematics and Science, Allentown College for Women, 1905–06; Teacher of German, English, and Mathematics in the Misses Sergeant and Miss Bent's School, Harrisburg, 1906–07; Teacher of Science in Lancaster College, Lancaster, 1907–08.

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* Mrs. Horace Baker Forman.

GOODWIN, MARY MERRICK,
Susan B. Anthony Memorial Scholar in Political Theory.

Philadelphia. A.B., Bryn Mawr College, 1909. Teacher in the Preparatory School for Boys and Girls, Bryn Mawr, 1910–11.

GRAHAM, MINNIE ALMIRA,
Fellow by Courtesy and Graduate Scholar in Chemistry.

Lockport, N. Y. A.B., Mt. Holyoke College, 1900, and A.M., University of Michigan, 1906. Fellow in Chemistry, Bryn Mawr College, 1906–07, 1910–11; in charge of Departments of Physics and Chemistry, Lake Erie College, 1907–10.

HANNA, MARY ALICE, ... *History and Economics.*

Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909–11.

HARDENBROOK, MILDRED, ... *Graduate Scholar in Greek.*

Poughkeepsie, N. Y. A.B., Vassar College, 1908, and A.M., 1909.

HASEMAN, MARY GERTRUDE, ... *Graduate Scholar in Mathematics.*

Linton, Ind. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910–11.

HEAD, MARGARET LOUISE, ... *Graduate Scholar in Latin.*

Madison, Wis. A.B., University of Wisconsin, 1911.

HOWSON, EMILY ELIZABETH, ... *Graduate Scholar in Physics.*

Philadelphia, A.B., Bryn Mawr College, 1910. Graduate Student, Bryn Mawr College, 1910–11.

JARMAN, MARGARET DANCE, . . *English, Biblical Literature, and Education.*

Columbus, Miss. A.B., Mississippi State College for Women, 1911.

JONAS, ANNA ISABEL, ... *Geology.*

Bridgeton, N. J. A.B., Bryn Mawr College, 1904, and A.M., 1905. Graduate Student, Bryn Mawr College, 1904–05, 1910–11, Graduate Scholar in Geology, 1905–06, and Assistant Curator of Geological Museum, 1908–09.

KENNARD, HELEN ROSE,
English, Comparative Literature, Biblical Literature, Economics, and Archæology.

Glendora, Cal. A.B., Pomona College, 1911.

LANGENBECK, CLARA, . . *Fellow by Courtesy and Graduate Scholar in Biology.*

Cincinnati, O. Ph.G., Cincinnati College of Pharmacy, 1891; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895–96; Student, University of Marburg, 1896–98; Professor of Biology, Wells College, 1898–1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901–11.

LONG, HELEN ELIZABETH, ... *German.*

Philadelphia. A.B., Wilson College, 1909.

MORGAN, LOUISE BAGGOTT, ... *Graduate Scholar in English.*

Providence, R. I. A.B. and A.M., Brown University, 1907. Graduate Scholar in English, Bryn Mawr College, 1907–11.

MORTON, CAROLINE MILLARD, ... *Graduate Scholar in Greek.*

Providence, R. I. A.B., Brown University, 1910, and A.M., 1911.

NEWKIRK,* ALICE MAYNARD FIELD, ... *English and Chemistry.*

Bryn Mawr, Pa. A.B., University of Cincinnati, 1899. Substitute Teacher in the High and Grammar Schools, Detroit, Mich., 1900–01.

NORTON, MABEL HARRIET, ... *Italian.*

Pasadena, Cal. A.B., Bryn Mawr College, 1902. Student, The Sorbonne, 1907–08. Teacher of Latin in Snell Seminary, Berkeley, Cal., 1908–11, and Student, University of California, 1908–09. Warden of Denbigh Hall, Bryn Mawr College, 1911–12.

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*Mrs. Walter Matthew Newkirk.

Peebles, Florence, ... *Fellow by Courtesy.*

Bryn Mawr, Pa. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895–96; Fellow in Biology, 1896–97; and Graduate Student, 1897–98, 1903–04, 1906–11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898–99; Instructor in Biology, Woman's College of Baltimore, 1899–1902; and Associate Professor of Biology, 1902–06; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906–07; Assistant Demonstrator in Biology, Bryn Mawr College, 1907–10.

Pottberg, Ellen Esther, ... *Education.*

Philadelphia. A.B., Bryn Mawr College, 1911. Secretary to the Business Manager, Bryn Mawr College, 1911–12.

Rambo, Eleanor Ferguson, ... *Archæology.*

Philadelphia. A.B., Bryn Mawr College, 1908, and A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908–09; Graduate Student in Latin, 1909–10; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909–10; Private Tutor, 1910–12.

Rand, Marie Gertrude,
Fellow by Courtesy and Graduate Scholar in Psychology.

Brooklyn, New York City. A.B., Cornell University, 1908. Graduate Scholar in Psychology, Bryn Mawr College, 1908–09, Fellow in Philosophy, 1909–10, and Fellow in Psychology, 1910–11.

Roberts, Louise Elizabeth, ... *Graduate Scholar in Greek.*

Philadelphia. A.B., Bryn Mawr College, 1908, and A.M., 1911. Teacher of Languages in the Friends' Academy, Moorestown, N. J., 1908–10; Private Tutor and Graduate Student, Bryn Mawr College, 1910–11.

Scheurer, Cora Mabel, ... *Graduate Foundation Scholar.*

Long Beach, Cal. A.B., Whittier College, 1910.

Smith, Louise Pettibone, ... *Graduate Scholar in Semitic Languages.*

Winchester Centre, Conn. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908–11.

Spalding, Mary Caroline, ... *Fellow by Courtesy in English.*

Bryn Mawr, Pa. A.B., Vassar College, 1901. Graduate Student, Bryn Mawr College, 1906–08, Graduate Scholar, 1908–10, and Fellow in English, 1910–11; Teacher in the Misses Shipley's School, Bryn Mawr, 1906–10.

Spray, Ruth Gladys, ... *Graduate Scholar in Biology.*

Lawrence, Kans. A.B., Kansas State University, 1911.

Syford, Constance Miriam, ... *Graduate Scholar in English.*

Lincoln, Neb. A.B., Nebraska State University, 1909, and A.M., 1911. Assistant and Reader to the Dean, Nebraska State University, 1909–11.

Sylvester, Irene Waters, ... *Graduate Scholar in Philosophy.*

Passaic, N. J. A.B., Mt. Holyoke College, 1911.

Theobald, Ottilie, ... *German and French.*

Columbus, O. A.B., Ohio State University, 1911.

Weeks, Eula Adeline, ... *Fellow by Courtesy in Mathematics.*

Butler, Mo. A.B. and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901–05; Fellow in Mathematics, Bryn Mawr College, 1909–10, and Fellow by Courtesy, 1910–11.

Weusthoff, Anna Sophie, ... *Fellow by Courtesy in German.*

New York City. A.B., Woman's College of Baltimore, 1906. Graduate Student in Teutonic Philology, Bryn Mawr College, 1906–07, and Fellow by Courtesy, 1910–11: Ottendorfer Research Fellow in Teutonic Philology and Student, University of Berlin, 1907–09; Alumnæ Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909–10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910–12.

Wildman, Edith E., ... *Earlham College Scholar.*

Selma, O. A.B., Earlham College, 1911.

Wright, Edith Buell, ... *Italian and Biblical Literature.*

Detroit, Mich. A.B., Bryn Mawr College, 1900. Private Tutor, 1901–02, 1904–05.

Undergraduate Students, Academic Year, 1911–12.

ABERNETHY, FLORENCE ROSAMOND, ... *Group,* ———, 1911–12.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.

ALBERTSON, MARY, ... *Group,* ———, 1911–12.
Magnolia, N. J. Prepared by the Friends' Central School, Philadelphia.

ALDEN, MARY BOGUE,
Group, History and Economics and Politics, 1908–12.
Rochester, N. Y. Prepared by the High School, Rochester, and by the Baldwin School, Bryn Mawr, Pa. Holder of the Elizabeth Duane Gillespie Scholarship in American History, 1911–12.

ALLEN, ELEANOR BRADFORD, ... *Group, Chemistry and Biology,* 1910–12.
Bonita, Cal. Prepared by the High School, National City, Cal., and by the Bishop's School, San Diego, Cal.

ALLPORT, CAROLINE ELIZABETH, ... *Group, Latin and* ———, 1910–12.
Chicago, Ill. Prepared by the University School for Girls, Chicago.

ARTHURS, ANN CATHARINE,
Group, History and Economics and Politics, 1908–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908–10.

ARTHURS, MARTHA MONTGOMERY, .. *Group, Biology and* ———, 1910–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

ASH, RACHEL, ... *Group,* ———, 1911–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1911–12.

ATHERTON, SARAH HENRY,
Group, History and Economics and Politics, 1909–12.
Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute, Wilkes Barre.

AYER, ELIZABETH, ... *Group,* ———, 1910–12.
Boston, Mass. Prepared by the Winsor School, Boston, Mass., and by Miss Porter's School, Farmington, Conn.

BAECHLE, CECELIA IRENE, ... *Group, Latin and German,* 1909–12.
Philadelphia. Prepared by Notre Dame Academy, Hamilton, O., and by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909–12.

BAILEY, ELIZABETH, ... *Group,* ———, 1911–12.
Harrisburg, Pa. Prepared by the Misses Seiler's School, Harrisburg, and by St. Timothy's School, Catonsville, Md.

BAIRD, JANET, ... *Group,* ———, 1910–12.
Sharon Hill, Pa. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1910–12.

BAIRD, MILDRED, ... *Group,* ———, 1910–12.
Sharon Hill, Pa. Prepared by the Girls' High School, Philadelphia. Holder of the First Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1910–11, and of City Scholarship, 1910–12.

BAKER, EUGENIA GRIFFIN, ... *Group,* ———, 1910–12.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.

BALDERSTON, ELIZABETH GRECIAN, ... *Group,* ———, 1910–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1910–11.

BALDWIN, DOROTHEA DE FOREST, ... *Group, Latin and German,* 1909–12.
New York City. Prepared by Rye Seminary, Rye, N. Y., by Mrs. Merrill's School for Girls, Oaksmere, N. Y., and by private tuition.

Baldwin, Elizabeth Ford,..................*Group,* ———, 1910–12.
New York City. Prepared by the Bryn Mawr School, Baltimore, Md.

Barber, Helen Dorothy,....*Group, Mathematics and Physics*, 1908–12.
Portland, Ore. Prepared by the Portland Academy.

Barnett, Hazel Kathryn,..................*Group,* ———, 1911–12.
Bedford, Pa. Prepared by the High School, Bedford.

Barrett, Helen Juanita,
Group, History and Economics and Politics, 1909–12.
Glenolden, Pa. Prepared by the Friends' Central School, Philadelphia.

Bartholomew, Grace,.............*Group, Greek and German*, 1909–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1909–12.

Bartlett, Marguerite Gold,
Group, History and Economics and Politics, 1909–12.
Philadelphia. Prepared by the High School, Chester, Pa., and by the Girls' High School, Philadelphia.

Batchelor, Jean Muriel,..................*Group,* ———, 1910–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

Beardwood, Jane,..*Group, History and Economics and Politics*, 1908–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

Bechtel, Dorothea,........................*Group,* ———, 1910–12.
Carpenter, Del. Prepared by the Friends' School, Wilmington, Del.

Beliekowsky, Sadie,................*Group, Greek and Latin*, 1908–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1908–12.

Benedict, Isabel Hopkins,
Group, History and Economics and Politics, 1910–12.
New York City. Prepared by the Misses Rayson's School, New York City.

Bering, Mary Isabel,.............*Group, Latin and* ———, 1910–12.
Decatur, Ill. Prepared by the High School, Decatur, and by the Misses Kirk's School, Bryn Mawr, Pa.

Bixler, Rena Catherine,....*Group, Mathematics and Physics*, 1910–12.
Pittsburgh, Pa. Prepared by the Stuart Mitchell School, Pittsburgh, and by the Winchester School, Pittsburgh.

Blaine, Margaret Graham,
Group, History and Economics and Politics, 1909–12.
Taunton, Mass. Prepared by the High School, Taunton, and by Miss May's School, Boston, Mass.

Blake, Dorothy Turner,.........*Group, German and French*, 1909–12.
Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. Holder of the First Bryn Mawr Matriculation Scholarship for the New England States, 1909–10.

Blanc, Zena Jennie,.........*Group, Mathematics and* ———, 1911–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Charles E. Ellis Scholarship, 1911–12.

Blanchard, Margaret Terry,....*Group, Geology and* ———, 1910–12.
New York City. Prepared by the Veltin School, New York City.

Blount, Eugenia,........................*Group,* ———, 1911–12.
Birmingham, Ala. Prepared by the High School, Birmingham.

Boardman, Wynanda Koechlin,.............*Group,* ———, 1910–12.
Troy, N. Y. Prepared by Miss Knox's School, Briarcliff Manor, N. Y., and by Rosemary Hall, Greenwich, Conn.

BOLTON-SMITH, LOUISE, ... *Group*, ———, 1911–12.
Memphis, Tenn. Prepared by St. Mary's School, Memphis, and by the Misses Shipley's School, Bryn Mawr, Pa.

BONTECOU, ELEANOR,
Group, Spanish and Comparative Literature, 1909–12.
Orange, N. J. Prepared by Miss Beard's School, Orange. Holder of First Bryn Mawr Matriculation Scholarship for New York, New Jersey, and Delaware, 1908–09.

BOYD, JESSIE, ... *Group*, ———, 1910–12.
New York City. Prepared by the Veltin School, New York City.

BOYER, FRANCES ELIZABETH, ... *Group*, ———, 1911–12.
Pottsville, Pa. Prepared by the High School, Pottsville, and by the Dwight School, Englewood, N. J.

BRADFORD, HARRIET, ... *Group*, ———, 1911–12.
San Francisco, Cal. Prepared by the Lowell High School, San Francisco.

BRADWAY, MARGARET SAEGER, ... *Group*, ———, 1911–12.
Haverford, Pa. Prepared by the Moses Brown School, Providence, R. I.

BRALEY, ELIZABETH, ... *Group, Latin and French*, 1910–12.
Concord, Mass. Prepared by the High School, Concord. Holder of Maria Hopper Sophomore Scholarship, 1911–12.

BRANCH, ZELDA MADISON, ... *Group, Philosophy and Physics*, 1909–12.
Kansas City, Mo. University of Texas, First Semester, 1906–07; University of Nebraska, 1907–09. Holder of Anna M. Powers Memorial Scholarship, 1911–12.

BRANDEIS, SUSAN, ... *Group*, ———, 1911–12.
Boston, Mass. Prepared by the Winsor School, Boston.

BRANDON, ROSE, ... *Group*, ———, 1910–12.
Butler, Pa. Prepared by the High School, Butler.

BRANSON, LAURA ELIZABETH, ... *Group, Latin and* ———, 1911–12.
Coatesville, Pa. Prepared by the High School, Coatesville.

BROCKSTEDT, CLARISSA BEATRICE,
Group, History and Economics and Politics, 1909–12.
St. Louis, Mo. Prepared by the Yeatman High School, St. Louis.

BROOKS, HELEN BENNETT, ... *Group*, ———, 1910–12.
Indianapolis, Ind. Prepared by Rosemary Hall, Greenwich, Conn.

BROOKS, KATHERINE GLOVER, ... *Group*, ———, 1911–12.
Boston, Mass. Prepared by the Misses May's School, Boston.

BROWN, ANNA HAINES, ... *Group*, ———, 1911–12.
Philadelphia. Prepared by Miss Sayward's School, Philadelphia, and by private tuition.

BROWN, CHRISTINE, . .*Group, History and Economics and Politics*, 1910–12.
Springfield, Ill. Prepared by Stuart School, Springfield, by the Monticello School, Alton, Ill., and by Rosemary Hall, Greenwich, Conn.

BROWN, JOSEPHINE CHAPIN,
Group, Philosophy and Physics, 1906–08, 1911–12.
Ogdensburg, N. Y. Prepared by the Ogdensburg Free Academy and by private tuition. Holder of Maria Hopper Scholarship, 1907–08; Teacher of Latin in Mrs. Barker's School for Girls, St. Paul, Minn., 1910–11. Holder of Thomas H. Powers Memorial Scholarship, 1911–12.

BROWN, MARY WILMARTH, ... *Group, Chemistry and Biology*, 1908–12.
Chicago, Ill. Prepared by the University High School, Chicago.

BROWNBACK, EMILY YOCUM, ... *Group*, ———, 1910–12.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr.

BROWNELL, MARY GERTRUDE, ... *Group*, ———, 1911–12.

Providence, R. I. Prepared by Miss Wheeler's School, Providence, and by St. Timothy's School, Catonsville, Md., and by private tuition.

BRYANT, CATHARINE REQUA, ... *Group*, ———, 1911–12.

Chicago, Ill. Prepared by the Loring School, Chicago.

BRYANT, ELIZABETH SOHIER, ... *Group*, ———, 1910–12.

Cohasset, Mass. Prepared by the Winsor School, Boston, Mass.

BUCHANAN, ETHEL, ... *Group, Latin and French*, 1911–12.

Philadelphia. Prepared by the High School, Bridgeport, Conn.

BUCHANAN, JESSIE CROW, ... *Group, Latin and Spanish*, 1909–12.

Trenton, N. J. Prepared by the State Model School, Trenton.

BUCHANAN, MARY CROW,
Group, History and Economics and Politics, 1910–12.

Trenton, N. J. Prepared by the Rand Collegiate School, Trenton, and by the Misses Kirk's School, Bryn Mawr, Pa.

BURACKER, FLORA KATHLEEN,
Group, History and Economics and Politics, 1910–12.

Baltimore, Md. Prepared by the Girls' Latin School, Baltimore, and by Miss Wright's School, Bryn Mawr, Pa.

BURCHARD, AGNES ELIZABETH, ... *Group*, ———, 1911–12.

New York City. Prepared by the Veltin School, New York City.

BYRNE, LAURA LAURENSON,
Group, History and Economics and Politics, 1908–12.

Ellicott City, Md. Prepared by St. Timothy's School, Catonsville, Md. Holder of the Mary E. Stevens Junior Scholarship, 1910–11.

CABOT, FRANCES ANNE, ... *Group*, ———, 1910–12.

Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston.

CADBURY, LEAH TAPPER, ... *Group*, ———, 1910–12.

Haverford, Pa. Prepared by the Westtown Boarding School, Westtown, Pa. Holder of Foundation Scholarship, 1910–12.

CALDER, HELEN REMINGTON, ... *Hearer by Courtesy in German*, 1910–12.

Harrisburg, Pa. Prepared by the Misses Sergeant and Miss Bent's School, Harrisburg. Bryn Mawr College, 1899–1901. Warden of Radnor Hall, 1910–12.

CAM, NORAH, ... *Group, Mathematics and Physics*, 1908–12.

Bishop's Stortford, England. Prepared by private tuition. Holder of Maria Hopper Scholarship, 1909–11. Holder of Maria L. Eastman Brooke Hall Memorial Scholarship, 1911–12.

CAMP, MARION MERRILL, ... *Group*, ———, 1910–12.

Milwaukee, Wis. Prepared by Milwaukee-Downer College Seminary and by Rosemary Hall, Greenwich, Conn.

CAPEL, FRANK MARCELLA, ... *Group, German and* ———, 1910–12.

Pittsburgh, Pa. Prepared by the Misses Mitchell's School, Pittsburgh, and by the Misses Shipley's School, Bryn Mawr, Pa.

CAREY, HELEN FRASER, ... *Group*, ———, 1910–12.

New York City. Prepared by the Veltin School, New York City, and by Rosemary Hall, Greenwich, Conn.

CHAMBERLAIN, GLADYS ELIZABETH, .. *Group, Latin and German*, 1908–12.

Portland, Me. Prepared by the Waynflete School, Portland. Holder of Second Bryn Mawr Matriculation Scholarship for the New England States, 1908–09.

CHAMBERLAIN, MARY MITCHELL, ... *Group*, ———, 1911–12.

West Raleigh, N. C. Prepared by St. Mary's School, West Raleigh.

Channing, Elizabeth Torrey, ... *Group*, ———, 1911–12.
Cambridge, Mass. Prepared by the Winsor School, Boston, Mass.

Chapin, Helen Burwell, ... *Group*, ———, 1910–11, 1912.
St. David's, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

Chase, Carmelita, ... *Group, German and French*, 1908–12.
Omaha, Neb. Prepared by Brownell Hall, Omaha.

Chase, Dorothy, ... *Group, Latin and French*, 1908–12.
Chicago, Ill. Prepared by the Kirkland School, Chicago, and by the Lakeview High School, Chicago.

Childs, Marjorie, ... *Group*, ———, 1910–12.
Norristown, Pa. Prepared by the High School, Norristown, and by the Misses Kirk's School, Bryn Mawr, Pa.

Clarke, Pauline Ida, ... *Group, English and German*, 1908–12.
New York City. Prepared by the Balliol School, Utica, N. Y. Holder of the James E. Rhoads Sophomore Scholarship, 1909–10, and of the James E. Rhoads Junior Scholarship, 1910–11; and of Special Scholarship, 1911–12.

Clinton, Marion Dorothea, ... *Group, Greek and Latin*, 1909–12.
Portland, Ore. Prepared by the Lincoln High School, Portland, and by Portland Academy. Holder of the First Bryn Mawr Matriculation Scholarship for the Western States, 1909–10; Holder of the James E. Rhoads Sophomore Scholarship, 1910–11, and of the James E. Rhoads Junior Scholarship, 1911–12.

Cockrell, Josephine Eleanor, .. *Group, Latin and French*, 1909–12.
Dallas, Tex. Prepared by St. Mary's College, Dallas, and by the Misses Kirk's School, Bryn Mawr, Pa.

Collins, Phyllis, ... *Group*, ———, 1911–12.
Cincinnati, O. Prepared by the National Cathedral School, Washington, D. C., and by the Baldwin School, Bryn Mawr, Pa.

Colt, Elizabeth Fitzhugh, ... *Group, German and French*, 1910–12.
Mt. Vernon, N. Y. Prepared by the Dearborn-Morgan School, Orange, N. J., and by Dana Hall, Wellesley, Mass.

Coolidge, 2nd, Mary Lowell,
Group, Philosophy and Mathematics, 1910–12.
Concord, Mass. Prepared by Miss White's School, Concord, and by the Winsor School, Boston, Mass.

Cornell, Esther Stuart,
Group, History and Economics and Politics, 1907–10, 1911–12.
Coraopolis, Pa. University of Chicago, 1906–07.

Corwin, Margaret Trumbull, ... *Group, German and French*, 1908–12.
New Haven, Conn. Prepared by the High School, New Haven.

Coulter, Helen Brewster, ... *Group*, ———, 1911–12.
Chicago, Ill. Prepared by the University School, Chicago, and by the Willard School, Berlin, Germany.

Cox, Dorothy Hannah, ... *Group*, ———, 1910–12.
Terre Haute, Ind. Prepared by Monticello Seminary, Godfrey, Ill., by the Classical School, Terre Haute, and by the Misses Shipley's School, Bryn Mawr, Pa.

Cox, Lillien Adele, ... *Group*, ———, 1910–12.
Milburn, N. J. Prepared by the Dearborn-Morgan School, Orange, N. J., and by Dana Hall, Wellesley, Mass.

Creighton, Catherine, ... *Group*, ———, 1910–12.
Evanston, Ill. Prepared by Miss Kelly's School, Scituate, Mass.

Crenshaw, Fanny Graves,
Group, History and Economics and Politics, 1908–12.
Richmond, Va. Prepared by Miss Ellett's School, Richmond.

CROCKER, CLARA BALLARD,..................*Group,* ———, 1909–12.

Boston, Mass. Prepared by Miss Winsor's School, Boston.

CULL, RUTH ELIZABETH,......................*Group,* ———, 1911–12.

Oakland, Neb. University of Nebraska, 1909–11.

DARKOW, MARGUERITE DAISY, *Group, Mathematics and Physics,* 1911–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the First Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States and of the Simon Muhr Scholarship, 1911–12.

DAVIDSON, LUCILE,...*Group, Economics and Politics and* ———, 1911–12.

Fort Worth, Tex. Prepared by the Veltin School, New York City.

DAVIS, DOROTHY LIVINGSTON,
Group, History and Economics and Politics, 1909–12.

New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City.

DAVIS, JEAN SCOBIE,........................*Group,* ———, 1910–12.

Princeton, N. J. Prepared by Deutsche Landerziehungsheim, Sieversdorf, Germany, and by the Princeton School, Princeton. Holder of the First Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1910–11.

DAY, ROSALIE,..............................*Group,* ———, 1908–12.

Catskill, N. Y. Prepared by Wykeham Rise, Washington, Conn.

DELANO, LAURA,.............................*Group,* ———, 1910–12.

Chicago, Ill. Prepared by the Francis W. Parker School, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.

DEMING, AGATHE, ...*Group, History and Economics and Politics,* 1909–12.

New York City. Prepared by the Veltin School, New York City.

DEMING, JULIA,...................*Group, Biology and* ———, 1911–12.

Oswego, Kan. Prepared by Oswego College and by the Baldwin School, Bryn Mawr, Pa.

DESSAU, ENID,..............................*Group,* ———, 1911–12.

New York City. Prepared by the Gordon-Winston School, New York City, and by the Hawthorne School, New York City.

DESSAU, FLORENCE MAUD,......*Group, Latin and Mathematics,* 1909–12.

New York City. Prepared by the Le Baron Drumm School, New York City, and by the Gordon-Winston School, New York City. Holder of the First Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1909-10.

DILLER, SARAFERREE,........................*Group,* ———, 1911–12.

Lancaster, Pa. Prepared by the Stevens High School, Lancaster, Pa., and by private tuition.

DODD, KATHARINE,...........................*Group,* ———, 1910–12.

Chestnut Hill, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston, Mass. Holder of the First Bryn Mawr Matriculation Scholarship for the New England States, 1910-11.

DOUGHERTY, ELEANOR,
Group, Economics and Politics and Philosophy, 1911–12.

New York City. Prepared by the Packer Collegiate Institute, Brooklyn, and by the Veltin School, New York City.

DOXRUD, OLIVA,................*Hearer by Courtesy in French,* 1911–12.

Philadelphia. Trained nurse, Bryn Mawr College, 1911-12.

DUNHAM, ETHEL COLLINS,.......*Group, Chemistry and Biology,* 1910–12.

Hartford, Conn. Prepared by Miss Porter's School, Farmington, Conn.

EDGERTON, GLADYS,..*Group, History and Economics and Politics,* 1908–12 .

New York City. Prepared by Mrs. Merrill's School for Girls, Oaksmere, N. Y.

ELCOCK, GERTRUDE MARIE,
Group, History and Economics and Politics, 1908–12.

Glenside, Pa. Prepared by the Agnes Irwin School, Philadelphia. Holder of Maria Hopper Scholarship, 1909-10; Holder of Special Scholarship, 1910-11.

ELWOOD, CATHERINE PRESCOTT, ... *Group*, ———, 1911–12.

Minneapolis, Minn. Prepared by Stanley Hall School, Minneapolis, and by "Les Marronniers," Paris, France.

EMERY, GERTRUDE CANTERBURY, ... *Group*, ———, 1911–12.

Boston, Mass. Prepared by the Misses May's School, Boston.

ERBSLÖH, OLGA HELEN CLARA, ... *Group*, ———, 1911–12.

New York City. Prepared by the Brearley School, New York City.

ESCHWEILER, HANNAH LINCOLN, ... *Group*, ———, 1911–12.

Hartland, Wis. Prepared by Milwaukee-Downer Seminary.

EVANS, HELENE REBECCA,
Hearer in English, Philosophy, and Geology, 1911–12.

Philadelphia. Prepared by the Commercial High School for Girls, Philadelphia, by the Gordon School, Philadelphia, and by private tuition.

EVANS, MARION ANNETTE, ... *Group, German and French*, 1910–12.

Wilkes Barre, Pa. Prepared by the Wilkes Barre Institute.

EVERETT, HELEN, ... *Group, Philosophy and* ———, 1911–12.

Providence, R. I. Prepared by St. Agnes School, Albany, N. Y., and by Miss Wheeler's School, Providence. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1911-12.

FABIAN, ELIZABETH STORRS,
Group, History and Economics and Politics, 1909–12.

Evanston, Ill. Prepared by the High School, Evanston.

FARIES, ELIZABETH, . . *Group, History and Economics and Politics*, 1908–12.

Chestnut Hill, Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill.

FAULKNER, ELLEN, ... *Group, Physics and Biology*, 1909–12.

Keene, N. H. Prepared by the High School, Keene, by the MacDuffie School, Springfield, Mass., and by private tuition.

FENDALL, MARY GERTRUDE, . . . *Group, Mathematics and Physics*, 1908–12.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

FLEISHER, MADELEINE WOLF, ... *Group*, ———, 1910–12.

Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

FLEMING, HARRIET EDNA, ... *Group, French and* ———, 1910–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

FORSTER, SOPHIE KATHARINE, ... *Group, Latin and* ———, 1910–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Special Scholarship, 1910-12.

FOSTER, ISABEL, ... *Group, English and* ———, 1911–12.

Portsmouth, N. H. Prepared by the High School, Portsmouth.

FRANCIS, CLARA JANE,
Group, History and Economics and Politics, 1908–12.

Martins Ferry, O. Prepared by the High School, Martins Ferry.

FREE, MARGARET LOUISE, ... *Group*, ———, 1911–12.

Pittsburgh, Pa. Prepared by Dilworth Hall, Pittsburgh, and by the High School, Pittsburgh.

FREER, ELEANOR, ... *Group*, ———, 1911–12.

Chicago. Prepared by the University School for Girls, Chicago. Holder of the First Bryn Mawr Matriculation Scholarship for the Western States, 1911-12.

FYFE, FLORENCE MARJORIE, ... *Group*, ———, 1911–12.

Winnetka, Ill. Prepared by Kemper Hall, Kenosha, Wis. Holder of the Second Bryn Mawr Matriculation Scholarship for the Western States, 1911-12.

GALE, ELEANORE EDWARDS, ... *Group, Latin and Archæology*, 1910–12.

Washington, D. C. Prepared by the National Cathedral School, Washington, and by the Misses Kirk's School, Bryn Mawr, Pa.

GARDNER, MABEL, ... *Group*, ———, 1910–12.

Providence, R. I. Prepared by Miss Wheeler's School, Providence.

GIBSON, LOUISE ISABEL, ... *Group, Physics and* ———, 1909–12.

Birmingham, Ala. Prepared by the Margaret Allen School, Birmingham.

GLENN, FLORENCE MARTHA, ... *Group, Latin and German*, 1908–12.

Johnstown, Pa. Prepared by the High School, Johnstown.

GLENN, RUTH, ... *Group*, ———, 1911–12.

Johnstown, Pa. Prepared by the High School, Johnstown.

GOLDSMITH, CECILE ADLER, ... *Group, German and French*, 1909–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909-12.

GOODALL, WINIFRED, ... *Group*, ———, 1910–12.

Cincinnati,O. Prepared by the Bartholomew-Clifton School, Cincinnati, by the Misses Shipley's School, Bryn Mawr, Pa., and by the College Preparatory School, Cincinnati.

GOODHUE, MARY BROOKS, ... *Group*, ———, 1911–12.

Philadelphia. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Misses Shipley's School, Bryn Mawr, Pa.

HAENSSLER, MILDRED,
Group, History and Economics and Politics, 1910–12.

St. Charles, Mo. Prepared by the High School, St. Charles. Holder of the James E. Rhoads Sophomore Scholarship, 1911-12.

HAINES, JULIA LORING,
Group, History and Economics and Politics, 1908–12.

Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis, by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

HAINES, MARY TROTH, ... *Group, German and* ———, 1910–12.

Moorestown, N. J. Prepared by the Westtown Boarding School, Westtown, Pa., and by the Friends' Select School, Philadelphia.

HALPEN, SARA MARION, ... *Group, Latin and German*, 1909–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1909-12.

HAMILTON, AMY GORDON, ... *Group, English and* ———, 1909–12.

Tenafly, N. J. Prepared by the Dwight School, Englewood, N. J.

HAMMER, CHRISTINE POTTS,
Group, History and Economics and Politics, 1908–12.

Pottstown, Pa. Prepared by Dana Hall, Wellesley, Mass.

HARDON, ANNE FRANCES,
Group, History and Economics and Politics, 1911–12.

New York City. Prepared by the Brearley School, New York City, and by Rosemary Hall, Greenwich, Conn.

HARLAN, MARY MONROE, ... *Group, Latin and Mathematics*, 1911–12.

Bel Air, Md. Prepared by the High School, Bel Air, and by the Bryn Mawr School, Baltimore, Md.

HARRINGTON, RUTH, ... *Group*, ———, 1911–12.

Boston, Mass. Prepared by the Winsor School, Boston.

Harrison, Julia Leigh,......................*Group*, ———, 1911–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Hartshorne, Anna,................*Group, Latin and German*, 1908–12.
Brighton, Md. Prepared by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1908-12.

Hartwig, Anna,..........*Hearer by Courtesy in History of Art*, 1911–12.
Philadelphia. Trained nurse, Bryn Mawr College, 1910-12.

Hatton, Florence Gage,....................*Group*, ———, 1911–12.
Columbus, O. Prepared by the Columbus School for Girls.

Haydock, Louisa Low,.........*Group, Chemistry and Biology*, 1909–12.
Philadelphia. Prepared by the Friends' School, Germantown, Philadelphia, by the Agnes Irwin School, Philadelphia, and by the Low-Heywood School, Stamford, Conn.

Hayes, Beatrice McAfee,....................*Group*, ———, 1911–12.
Chicago, Ill. Prepared by the University School for Girls, Chicago.

Hazen, Harbine,............................*Group*, ———, 1911–12.
Cincinnati, O. Prepared by the Cincinnati College Preparatory School for Girls, and by the Misses Shipley's School, Bryn Mawr, Pa.

Head, Catherine Esther,....................*Group*, ———, 1911–12.
Madison, Wis. University of Wisconsin, 1910-11.

Hearne, Alice,.....*Group, History and Economics and Politics*, 1909-12.
Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

Heffern, Anna Constance,
Group, English and Comparative Literature, 1908–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1908-12.

Hellings, Eleanor Louise,
Group, History and Economics and Politics, 1910–12.
Devon, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.

Hewitt, Candace,..*Group, History and Economics and Politics*, 1911–12.
New York City. Prepared by the Brearley School, New York City, and by Rosemary Hall, Greenwich, Conn.

Hinde, Helen Harper,......................*Group*, ———, 1910–12.
Chicago, Ill. Prepared by the Chicago Latin School, Chicago. Holder of the Second Bryn Mawr Matriculation Scholarship for the Western States, 1910-11.

Hinrichs, Gertrude Mary,
Group, History and Economics and Politics, 1909–12.
Glen Ridge, N. J. Prepared by the High School, Glen Ridge, and by private tuition.

Hobson, Martha Barbour,...................*Group*, ———, 1910–12.
Chicago, Ill. Prepared by the University School for Girls, Chicago. Holder of the First Bryn Mawr Matriculation Scholarship for the Western States, 1910-11.

Hollingsworth, Louise Walker,.............*Group*, ———, 1911–12.
Athens, Ga. Prepared by Lucy Cobb Institute, Athens, Ga.

Hopkinson, Ruth Warren,...................*Group*, ———, 1911–12.
Lakewood, O. Prepared by the West High School, Cleveland, O.

Hornberger, Agnes Warren,.....*Group, Biology and* ———, 1911–12.
Pittsburgh, Pa. Prepared by the Thurston-Gleim Preparatory School, Pittsburgh.

Hoshino, Ai,...................*Group, Chemistry and Biology*, 1908–12.
Tokio, Japan. Prepared by Miss Tsuda's School, Tokio, by the Stevens School, Germantown, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.

HOUSTON, JULIA TAYLOR,...........*Group, English and French,* 1908–12.
Pine Bluff, Ark. Prepared by the High School, Pine Bluff, by Elizabeth College, Charlotte, N. C., and by private tuition.

HOWSON, BEATRICE,..*Group, History and Economics and Politics,* 1908–12.
Philadelphia. Prepared by the Friends' Central School, Philadelphia.

HUBBARD, RUTH,.............................*Group,* ———, 1911–12.
Fort Moultrie, S. C. Prepared by the Misses Allen's School, West Newton, Mass.

HUGHES, MARY DOROTHY,....................*Group,* ———, 1910–12.
Wilkinsburg, Pa. Prepared by the High School, Wilkinsburg, and by private tuition.

HUMPHREY, ALICE ROBBINS,...................*Group,* ———, 1911–12.
New York City. Prepared by the Veltin School, New York City.

HUNTER, FRANCES,.........*Group, Latin and English,* 1908–10, 1911–12.
Saugerties, N. Y. Prepared by the High School, Saugerties, and by the Misses Graham's School, New York City.

HUNTINGTON, KATHARINE,..........*Group, Geology and* ———, 1910–12.
Princeton, N. J. Prepared by the Princeton School. Holder of the Second Bryn Mawr Matriculation Scholarship for New York, New Jersey, and Delaware, 1910-11.

HURD, ELIZABETH CARTER,
Group, History and Economics and Politics, 1910–12.
Chicago, Ill. Prepared by the University High School, Chicago. University of Chicago, 1908-10.

HUSE, ELEANOR BAKER,......................*Group,* ———, 1911–12.
Boston, Mass. Prepared by Rogers Hall, Lowell, Mass., by Miss Low's School, Stamford, Conn., and by the Misses Allen's School, West Newton, Mass.

IRISH, FLORENCE CATHERINE,
Group, History and Economics and Politics, 1909–12.
Norristown, Pa. Prepared by Miss Roney's School, Bala, Pa.

IRVIN, HELEN WALKLEY,......................*Group,* ———, 1911–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1911-12.

IRWIN, MARIAN,................*Group, Chemistry and Biology,* 1909–12.
Tokio, Japan. Prepared by the Baldwin School, Bryn Mawr, Pa.

IVORY,* ELIZABETH SCHOFIELD,
Hearer in Latin, English, French, and Philosophy, 1911–12.
Claymont, Del. Woman's Medical College of Pennsylvania, 1909-10.

JACKSON, EUGENIA LOUISE,..................*Group,* ———, 1910–12.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.

JACOBS, MILDRED CLARK,.....................*Group,* ———, 1911–12.
Philadelphia. Prepared by Miss Sayward's School, Overbrook, Philadelphia.

JOHNSTON, ELIZABETH HENRIETTA,
Group, Mathematics and Chemistry, 1908–12.
Carlisle, Pa. Prepared by the High School, East Orange, N. J., and by Metzger College, Carlisle.

JONES, ELIZABETH LEVERING,.....................*Group,* ———, 1912.
Philadelphia. Prepared by the Bryn Mawr School, Baltimore, Md.

JONES, GLADYS,.....*Group, History and Economics and Politics,* 1908–12.
Hazleton, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

JONES, GWLADYS WEBSTER,...................*Group,* ———, 1910–12.
Ocean Grove, N. J. Prepared by the Neptune Township High School, Ocean Grove, by the High School, Asbury Park, N. J., and by private tuition.

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* Mrs. P. Van Eman Ivory.

JONES, MARGUERITE ALLSTON, ... *Group*, ———, 1911–12.
Lake Roland, Md. Prepared by the Bryn Mawr School, Baltimore, Md.

JUSTICE, MILDRED LEWIS, ... *Group*, ———, 1911–12.
Narberth, Pa. Prepared by the High School, Narberth.

KELLER, MARIE OTTILIE, ... *Group, German and* ———, 1911–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1911–12.

KELLY, OLGA ELIZABETH BREDOW, . . . *Group, Greek and English*, 1909–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

KENNEDY, LAURA ELIZABETH, ... *Group, French and Spanish*, 1909–12.
Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs.

KENYON, ADRIENNE, ... *Group*, ———, 1911–12.
New York City. Prepared by Miss Schoonmaker's School, New York City, and by the Horace Mann School, New York City. Holder of Second (equal) Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1911–12.

KIRK, HELEN REED, ... *Group, Latin and* ———, 1910–12.
Philadelphia. Prepared by the Combined School, Germantown, Philadelphia, and by the Girls' High School, Philadelphia. Holder of Maria Hopper Sophomore Scholarship, 1911–12.

KRAUS, EDNA FLORENCE, ... *Group*, ———, 1911–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1911–12.

KUTTNER, ANNA GAYLER, ... *Group*, ———, 1911–12.
New York City. Prepared by private tuition and by Rogers Hall, New York City.

LAMB, LOUISE EMERSON, ... *Group, French and Spanish*, 1908–12.
Baltimore, Md. Prepared by Ecole Vinet, Lausanne, Switzerland, and by the Bryn Mawr School, Baltimore.

LAUTZ, HELEN SOPHIA, ... *Group, Latin and French*, 1908–12.
Pekin, Ill. Prepared by the High School, Pekin, and by the Misses Shipley's School, Bryn Mawr, Pa.

LEE, HELEN, ... *Group, Latin and French*, 1909–12.
Philadelphia. Prepared by Milwaukee-Downer College.

LEOPOLD, FLORENCE STEIN,
Group, Philosophy and Economics and Politics, 1908–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

LEUBA,* BERTHE, ... *Hearer by Courtesy in Biology*, 1912.
Bryn Mawr, Pa.

LEVINSON, DORA CLARA, ... *Group*, ———, 1911–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1911–12.

LEVY, EDNA SOPHIE, ... *Group, French and Spanish*, 1909–12.
Pittsburgh, Pa. Prepared by the High School, Pittsburgh.

LEWIS, REBECCA RENSHAW, ... *Group, Latin and Spanish*, 1908–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1908–12.

LIVINGSTON, FRANCES ELIZABETH,
Group, History and Economics and Politics, 1910, 1910–12.
Lawrence, Long Island, N. Y. Prepared by St. Mary's Hall, Burlington, N. J., and by Miss Mary Jeffers and Miss Florence Peebles, Bryn Mawr, Pa.

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* Mrs. James H. Leuba.

Llewellyn, Gertrude,
Group, History and Economics and Politics, 1908–12.

Evanston, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Baldwin School, Bryn Mawr, Pa.

Lobdell, Mary Arleville,.................*Group,* ———, 1911–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1911–12.

London, Mary Parke,......................*Group,* ———, 1911–12.

Birmingham, Ala. Prepared by the Margaret Allen School, Birmingham, and by the Misses Shipley's School, Bryn Mawr, Pa.

Long, Eleanor Tatum,.................*Hearer in Geology,* 1911–12.

Cincinnati, O. University of Cincinnati, 1906–07, 1908–10; Radcliffe College, 1910–11.

Longwell, Katherine Cavenagh,.*Group, Latin and German,* 1908–12.

Pittsburgh, Pa. Prepared by Frankby House School, Hoylake, England, and by Miss Gleim's School, Pittsburgh.

Lord, Elizabeth Evans,....................*Group,* ———, 1910–12.

Plymouth, Mass. Prepared by Miss Wheeler's School, Providence, R. I.

Lucas, Leonora,..................*Group, French and Italian,* 1908–12.

Evanston, Ill. Prepared by the Academy of the University of Illinois. University of Illinois, 1905–06.

Mabon, Rosa Vedder,............*Group, Latin and French,* 1909–12.

New York City. Prepared by St. Agnes School, Albany, N. Y., and by the Brearley School, New York City.

Macdonald, Frances,......................*Group,* ———, 1911–12.

Ardmore, Pa. Prepared by the Lower Merion High School, Ardmore. Holder of the Lower Merion High School Scholarship, 1911–12.

MacElree, Helen,.........................*Group,* ———, 1911–12.

West Chester, Pa. Prepared by the High School, West Chester.

MacElree, Margaret,............*Group, Latin and* ———, 1910–12.

West Chester, Pa. Prepared by the High School, West Chester, and by the Baldwin School, Bryn Mawr, Pa.

MacMaster, Amelia Kellogg,................*Group,* ———, 1912.

Elizabeth, N. J. Prepared by the Battin High School, Elizabeth.

Maguire, Elizabeth Yarnall,
Group, History and Economics and Politics, 1909–12.

Philadelphia. Prepared by the Holman School, Philadelphia, and by the Agnes Irwin School, Philadelphia.

Manchester, Ruth Coe,............*Group, Greek and Latin,* 1909–12.

Winsted, Conn. Prepared by the Gilbert School, Winsted, Conn. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1909–10; Holder of Maria Hopper Scholarship, 1910–11.

Mark, Lydia Marie,
Group, History and Economics and Politics, 1911–12.

Lake Forest, Ill. Prepared by Ferry Hall, Lake Forest, and by the Baldwin School, Bryn Mawr, Pa.

Martin, Amy Lawrence,...................*Group,* ———, 1911–12.

Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by the University School for Girls, Chicago.

McCollin, Katharine Williams,............*Group,* ———, 1911–12.

Philadelphia. Prepared by Miss Wright's School, Bryn Mawr, Pa.

McCreery, Vashti,........................*Group,* ———, 1911–12.

Benton, Ill. Prepared by the High School, Benton, and by Ivens Llys, St. Louis, Mo.

McFarland, Helen Josephine, .*Group, English and Philosophy,* 1911–12.
Philadelphia. Prepared by the Friends' Preparative Meeting School of Germantown, Philadelphia.

McKelvey, Mary Alice,
Group, History and Economics and Politics, 1908–11, 1912.
New York City. Prepared by the Brearley School, New York City.

McKelvey, Ruth, ...*Group,* ———, 1911–12.
Spuyten Duyvil, N. Y. Prepared by Miss Bangs and Miss Whiton's School, Riverdale, N. Y., and by the Brearley School, New York City.

Mead, Marion Loraine,
Group, History and Economics and Politics, 1908–12.
Evanston, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Baldwin School, Bryn Mawr, Pa.

Mearkle, Edith, ...*Group, French and Spanish,* 1908–10, 1911–12.
Minneapolis, Minn. Prepared by the Central High School, Minneapolis.

Meeker, Marjorie, ...*Group,* ———, 1911–12.
Columbus, O. Prepared by the Columbus School for Girls.

Mellen, Marguerite,
Group, History and Economics and Politics, 1909–12.
Chicago, Ill. Prepared by the University School for Girls, Chicago, and by Rosemary Hall, Greenwich, Conn.

Menendez, Lucinda Poillon,
Group, History and Economics and Politics, 1909–12.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich, Conn.

Michael, Jeannette, *Group, French and Spanish,* 1909–10, 1911, 1911–12.
Buffalo, N. Y. Prepared by St. Margaret's School, Buffalo, and by Rosemary Hall. Greenwich, Conn.

Miller, Alice Chapman, ... *Group,* ———, 1910–12.
Milwaukee, Wis. Prepared by Milwaukee-Downer College and by Rosemary Hall, Greenwich, Conn.

Miller, Ramona Beatrice,. . . .*Group, Mathematics and Physics,* 1909–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the First Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1909–10, and of the Simon Muhr Scholarship, 1909–12.

Mitchell, Pearl Boring,
Group, History and Economics and Politics, 1908–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the Minnie Murdoch Kendrick Scholarship, 1908–12.

Montgomery, Hazel Margaret,
Group, English and Comparative Literature, 1908–12.
New York City. Prepared by the Misses Kirk's School, Bryn Mawr, Pa., by the Brearley School, New York City, and by private tuition.

Moore, Dorothea May,
Group, History and Economics and Politics, 1911–12.
Cambridge, Mass. Prepared by the Gilman School, Cambridge, and by the Misses May's School, Boston, Mass. Holder of the First Bryn Mawr Matriculation Scholarship for the New England States, 1911–12.

Morgan, Mary Alden, ...*Group, English and Philosophy,* 1908–12.
Chicago, Ill. Prepared by the University School for Girls, Chicago, and by private tuition.

Morgan, Mary Churchman, ...*Group,* ———, 1911–12.
Philadelphia. Prepared by the Friends' Central School, Philadelphia.

Morrow, Agnes Elizabeth,
Group, History and Economics and Politics, 1908–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

Mudge, Lillian Hersey, ... *Group,* ———, 1911–12.

St. Paul, Minn. Prepared by Mrs. Backus's School, St. Paul, and by Rosemary Hall, Greenwich, Conn.

Munroe, Margaret Adelaide,....... *Group, Latin and English,* 1909–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the L. C. B. Saul Memorial Scholarship and Holder of City Scholarship, 1909–12.

Murray, Marjorie Frances,...... *Group, Biology and* ———, 1909–12.

Delhi, N. Y. Prepared by Delaware Academy, Delhi, and by St. Agnes School, Albany, N. Y. Holder of Maria Hopper Scholarship, 1910–11; Holder of the Mary E. Stevens Junior Scholarship, 1911–12.

Nathans, Beatrice Cornelia,
Group, English and Comparative Literature, 1909–12.

Philadelphia. Prepared by Miss Keyser's School, Philadelphia, by Miss Gordon's School, Philadelphia, and by private tuition.

Newman, Ruth,................................ *Group,* ———, 1911–12.

Bridge Hampton, N. Y. Prepared by the Public Schools of Bridge Hampton and Southampton, N. Y.

Newton, Carolina Edelheim,............... *Group,* ———, 1910–12.

Daylesford, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

Nichols, Susan Farley,...................... *Group,* ———, 1911–12.

New York City. Prepared by the Brearley School, New York City.

Niles, Josephine,............................ *Group,* ———, 1910–12.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

Noyes, Emily Gifford,........................ *Group,* ———, 1911–12.

Providence, R. I. Prepared by Miss Wheeler's School, Providence.

Oppenheimer, Ella,........................... *Group,* ———, 1910–12.

Washington, D. C. Prepared by the Central High School, Washington, and by private tuition.

Owen, Clara Marie, ... *Group, Latin and German,* 1909–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia.

Paddock, Irene Angell,.......... *Group, Latin and* ———, 1910–12.

Philadelphia. Prepared by Miss Roney's School, Bala, Pa., by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

Page, Anne,.................................. *Group,* ———, 1910–12.

Brookline, Mass. Prepared by Madame Heube, Lausanne, Switzerland, by the High School, Brookline, and by private tuition.

Page, Katharine Alice,............ *Group, German and French,* 1909–12.

New York City. Prepared by the Dwight School, Englewood, N. J.

Patterson, Alice Dudley,......... *Group, Latin and German,* 1909–12.

Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia, and by the Agnes Irwin School, Philadelphia. Holder of the Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1909–10.

Peck, Margaret Winthrop,........ *Group, Latin and German,* 1908–12.

Bristol, Conn. Prepared by the High School, Bristol, and by the Baldwin School, Bryn Mawr, Pa.

Peirce, Mary,...................... *Group, Latin and French,* 1908–12.

Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., and by the Agnes Irwin School, Philadelphia.

Perkins, Dagmar, ... *Group*, ———, 1911–12.
New York City. Prepared by the Veltin School, New York City.

Perkins, Lucile, ... *Group, German and French*, 1909–12.
Dallas, Tex. Prepared by St. Mary's College, Dallas, by Madame Yeatman, Paris, France by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

Pinney, Elizabeth,
Group, History and Economics and Politics, 1908–12.
New Brighton, Staten Island. Prepared by the Brearley School, New York City.

Pond, Clara Penniman, ... *Group, Chemistry and Biology*, 1909–12.
State College, Pa. Pennsylvania State College, 1907–09.

Porter, Elizabeth Lane, ... *Group, Greek and* ———, 1910–12.
Fort Wayne, Ind. Prepared by the High School, Fort Wayne, and by private tuition.

Porter, Helen Louise Knickerbacker, ... *Group*, ———, 1910–12.
Montclair, N. J. Prepared by the Kimberley School, Montclair.

Potter, Edna Margaret,
Group, History and Economics and Politics, 1909–12.
Detroit, Mich. Prepared by the Eastern High School, Detroit, and by the Mt. Ida School for Girls, Newton, Miss. Holder of the Elizabeth Duane Gillespie Scholarship in American History, 1911–12.

Pray, Gladys, ... *Group*, ———, 1911–12.
Passaic, N. J. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

Pritchett, Ida Williams, ... *Group*, ———, 1910–12.
New York City. Prepared by Miss Low's School, Stamford, Conn., and by the Brearley School, New York City.

Pugh, Esther Clement, ... *Group*, ———, 1911–12.
Overbrook, Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by Rosemary Hall, Greenwich, Conn.

Rapallo, Edna, ... *Group*, ———, 1911–12.
New York City. Prepared by the Brearley School, New York City.

Rawson, Gwendolyn, ... *Group*, ———, 1909–12.
Cincinnati, O. Prepared by the College Preparatory School, Cincinnati.

Richards, Myra Stephanie, ... *Group, English and German*, 1911–12.
South Norwalk, Conn. Prepared by the Normal College of the City of New York and by the High School, Norwalk, Conn.

Richardson, Elizabeth Hadley, ... *Group*, ———, 1911–12.
St. Louis, Mo. Prepared by Mary Institute, St. Louis.

Richmond, Margaret, ... *Group*, ———, 1910–12.
Schenectady, N. Y. Prepared by the Academy for Girls, Albany, N. Y., and by Miss White's School, Paris, France.

Richter, Helen Ruth,
Group, History and Economics and Politics, 1909–12.
New York City. Prepared by the Gardiner School, New York City, and by the Benjamin Deane School, New York City.

Righter, Jane,
Hearer by Courtesy in Italian and Economics and Politics, 1911–12.
Mt. Carmel, Pa. Bryn Mawr College, 1898–91. Warden of Rockefeller Hall, 1911–12.

Roberts, Anna Wilkins, ... *Group, German and French*, 1911–12.
Moorestown, N. J. Prepared by the Friends' Academy, Moorestown, and by the Westtown Boarding School, Westtown, Pa. Foundation Scholar, 1911–12.

Roberts, Ruth, ... *Group, History and Economics and Politics*, 1907–12.
Decatur, Ill. Prepared by the High School, Decatur, and by the Misses Shipley's School, Bryn Mawr, Pa.

ROBERTSON, EMMA SELLERS, ... *Group, Latin and French,* 1909–12.

Bala, Pa. Prepared by All Saints School, Germantown, Philadelphia, and by Miss Roney's School, Bala, Pa.

ROBINS, DOROTHEA, ... *Group, Latin and French,* 1903–05, 1910–12.

Philadelphia. Prepared by the Misses Shipley's School and by private tuition.

ROBINSON, ETHEL FERN, ... *Group, Latin and* ———, 1911–12.

Detroit, Mich. Prepared by the Central High School, Detroit, and by the Liggett School, Detroit.

ROCKWELL, CLEOS LEPHA, ... *Group, German and French,* 1910–12.

Kenilworth, Ill. Prepared by the High School, West Chester, Pa., and by the Baldwin School, Bryn Mawr, Pa.

ROHRER, MIRIAM, ... *Group,* ———, 1911–12.

Schenectady, N. Y. Prepared by the High School, Schenectady.

ROSS, FRANCES LÜBBE, ... *Group, English and French,* 1909–12.

Conshohocken, Pa. Prepared by the Agnes Irwin School, Philadelphia, and by the Baldwin School, Bryn Mawr, Pa.

SAMPSON, MERLE D'AUBIGNÉ, ... *Group,* ———, 1911–12.

Charlottesville, Va. Prepared by the Baldwin School, Bryn Mawr, Pa.

SARGENT, CECILIA VENNARD, ... *Group,* ———, 1911–12.

Wenonah, N. J. Prepared by the High School, Woodbury, N. J.

SATTLER, JEAN, ... *Group,* ———, 1911–12.

Madisonville, O. Prepared by the College Preparatory School, Cincinnati, O.

SCHMIDT, MARY RICHARDSON, ... *Group, German and French,* 1910–12.

York, Pa. Prepared by Rosemary Hall, Greenwich, Conn. Holder of the Second Bryn Mawr Matriculation Scholarship for the New England States, 1910–11.

SCRIBNER, MARY ETTA,
Group, History and Economics and Politics, 1908–12.

Chicago, Ill. Prepared by the Kenwood Institute, Chicago, and by Rosemary Hall, Greenwich, Conn.

SCRIPTURE, ELSA, ... *Group,* ———, 1911–12.

New York City. Prepared by the Kimberly School, Montclair, N. J.

SCRIPTURE, WINIFRED, ... *Group, Chemistry and Biology,* 1908–12.

New York City. Prepared by Luisen Schule, Berlin, and by Siebertsche Institute, Munich, Germany, and by Chappaqua Mountain Institute, Chappaqua, N. Y.

SCUDDER, ATALA THAYER, ... *Group,* ———, 1911–12.

Brooklyn, New York City. Prepared by the Veltin School, New York City.

SEARS, MARGARET, ... *Group, Economics and Politics and* ———, 1910–12.

Framingham, Mass. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

SERGEANT, KATHARINE, ... *Group, Philosophy and* ———, 1910–12.

Brookline, Mass. Prepared by the Winsor School, Boston, Mass.

SHAFER, GRACE ALMA, ... *Group,* ———, 1912.

St. Louis, Mo. Prepared by Bishop Robertson Hall, St. Louis, and by Ferry Hall, Lake Forest, Ill.

SHARMAN, LOU MAY, *Group, German and Italian and Spanish,* 1908–12.

Reading, Pa. Prepared by the Girls' High School, Reading.

SHAW, EVELYN WELLS, ... *Group,* ———, 1910–12.

Lake Forest, Ill. Prepared by the University School for Girls, Chicago.

SHAW, HELEN HASTINGS, ... *Group,* ———, 1910–12.

Brookline, Mass. Prepared by Miss May's School, Boston, Mass.

SHAW, KATHARINE LYDIA, ...*Group, Physics and Chemistry*, 1908–12.
Glenshaw, Pa. Prepared by Preparatory School of Pennsylvania College, by Miss Gleim's School, Pittsburgh, and by private tuition.

SHEAFER, KATHERINE ELIZABETH, ...*Group*, ———, 1911–12.
Pottsville, Pa. Prepared by the High School, Pottsville.

SHELDON, HARRIET SHELDON, ...*Group*, ———, 1910–12.
Columbus, O. Prepared by the Columbus School for Girls, Columbus, O.

SHELDON, MARY, ...*Group, History and Economics and Politics*, 1909–12.
Chicago, Ill. Prepared by Rosemary Hall, Greenwich, Conn., and by Miss Spence's School, New York City.

SHENSTONE, MARY ELSIE, ...*Group, French and* ———, 1909–12.
Toronto, Ontario, Canada. Prepared by Miss Veal's School, Toronto. University of Toronto, 1908–09.

SHIPLEY, MAY MALLET-PREVOST, ...*Group, German and* ———, 1910–12.
Philadelphia. Prepared by Miss Blakey's Class for Girls, Philadelphia, and by the Misses Shipley's School, Bryn Mawr, Pa.

SHIPPEN, KATHARINE BINNEY, ...*Group*, ———, 1910–12.
Hoboken, N. J. Prepared by the Hoboken Academy.

SIMPSON, ADELAIDE DOUGLAS, ...*Group, Greek and Latin*, 1909–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1909–12.

SIMPSON, CATHARINE MOUNT, ...*Group*, ———, 1911–12.
New York City. Prepared by the Girls' High School, Philadelphia, and by the Wadleigh High School, New York City.

SKERRETT, DOROTHY WENTWORTH, ...*Group*, ———, 1910–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1910–11; Holder of Maria Hopper Sophomore Scholarship, 1911-12.

SMITH, CLARISSA, ...*Group, Chemistry and Biology*, 1911–12.
West Medford, Mass. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

SMITH, ELIZABETH BALDWIN, ...*Group*, ———, 1911–12.
Cincinnati, O. Prepared by Miss Wright's School, Bryn Mawr, Pa.

SMITH, ISABEL, ...*Group*, ———, 1911–12.
Los Angeles, Cal. Prepared by the Polytechnic High School, Los Angeles, and by the Misses Kirk's School, Bryn Mawr, Pa.

SMITH, MARY CHRISTINE, ...*Group*, ———, 1910–12.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.

SMITH, SARA ROZET MATHER, ...*Group, English and* ———, 1911–12.
Chicago, Ill. Prepared by Miss Madeira's School, Washington, D. C., and by St. Timothy's School, Catonsville, Md.

SNODGRASS, KATHARINE, ...*Group*, ———, 1911–12.
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis.

SOUTHARD, MARJORIE WRIGHT, ...*Group*, ———, 1910–12.
New Brighton, Staten Island, N. Y. Prepared by the St. Agnes School, Albany, N. Y.

SPENCE, ANGELEINE BENEDICTA, ... *Group, German and* ———, 1911–12.
Rockland, Mass. Prepared by the High School, Rockland.

SPRY, GLADYS, ...*Group, History and Economics and Politics*, 1908–12.
Evanston, Ill. Prepared by the High School, Evanston. Northwestern University, 1907–08.

STECHER, LORLE IDA, ... *Group, English and Philosophy*, 1908–12.

Philadelphia. Prepared by the Manual Training High School, Indianapolis, Ind., by the Girls' High School, Philadelphia, and by private tuition. Holder of City Scholarship, 1908–12.

STEELE, EDITH RACHAEL, ... *Group, Latin and German*, 1909–12.

Pittston, Pa. Prepared by the High School, West Pittston, Pa., and by Wyoming Seminary, Kingston, Pa.

STELTZER, ELSIE, ... *Group*, ———, 1911–12.

Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of City Scholarship, 1911–12.

STIRLING, JEAN WEDDERBURN, . . *Group, English and Philosophy*, 1908–12.

Chicago, Ill. Prepared by the Dearborn Seminary, Chicago, and by the University School for Girls, Chicago. Holder of Second Bryn Mawr Matriculation Scholarship for the Western States, 1908–09.

STIX, HELEN, ... *Group*, ———, 1910–12.

St. Louis, Mo. Prepared by the Mary Institute, St. Louis.

STODDARD, YVONNE, ... *Group, Latin and French*, 1909–12.

Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. Holder of First Bryn Mawr Matriculation Scholarship for the New England States, 1906–07.

STOHR, KEINATH, ... *Group, History and Economics and Politics*, 1909–12.

Chicago, Ill. Prepared by the Chicago Latin School, Chicago.

STOUT, KATHARINE HOUGHTON, ... *Group*, ———, 1909–12.

Chicago, Ill. Prepared by the Ross-Boyesen School, and by Rosemary Hall, Greenwich, Conn.

STRAYER, OLIVE, ... *Group*, ———, 1911–12.

Harrisburg, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa., by the Barrington School, Harrisburg, and by Miss Mary Jeffers and Dr. Florence Peebles, Bryn Mawr.

STREETT, KATHERINE MAYNADIER, ... *Group*, ———, 1911–12.

Cumberland, Md. Prepared by the Western High School, Baltimore, and by Allegany County Academy, Cumberland, Md.

STUART, ADELINA ALLYN,
Group, Geology and Chemistry, 1904, 1904–06, 1910–12.

Corsicana, Tex. Prepared by Miss Mary E. Stevens, Germantown, Philadelphia.

SUTCH, CLEORA, ... *Group*, ———, 1911–12.

Germantown, Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Charles E. Ellis Scholarship, 1911–12.

SWAN, ELIZABETH, ... *Group, History and Economics and Politics*, 1910–12.

Biloxi, Miss. Prepared by the Sophie Newcomb Memorial College, by Miss Walcott's School, Denver, Colo., and by Rosemary Hall, Greenwich, Conn.

SWIFT, NATHALIE, ... *Group, History and Economics and Politics*, 1909–12.

New York City. Prepared by the Brearley School, New York City. Holder of Second Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1909–10.

TABER, CARLOTTA LOWELL, ... *Group*, ———, 1911–12.

Worcester, Mass. Prepared by Rosemary Hall, Greenwich, Conn., and by private tuition.

TABER, MARY HATHAWAY, ... *Group, English and French*, 1911–12.

Brooklyn, New York City. Prepared by the Girls' High School, Brooklyn.

TAPPAN, JULIA BUCHANAN, ... *Group, Biology and* ———, 1910–12.

Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

TAPPAN, MARJORIE, ... *Group, Mathematics and* ———, 1911–12.

Highwood, R. I. Prepared by the Dwight School, Englewood, N. J.

TAYLOR, ALICE MARION, ... *Group, French and Spanish*, 1909–12.

New York City. Prepared by the Willard School, Berlin, Germany.

Terry, Catherine Louise,
Group, History and Economics and Politics, 1908–12.
New York City. Prepared by the Veltin School, New York City.

Thackray, Margaret, ... *Group*, ———, 1909, 1909–10, 1911–12.
Johnstown, Pa. Prepared by the High School, Johnstown.

Thomas, Ethel Marian, ... *Group, Latin and Spanish*, 1908–12.
Philadelphia. Prepared by the Philadelphia Collegiate Institute, by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.

Thompson, Catherine Reichenbach,
Group, Latin and English, 1908–12.
Pittsburgh, Pa. Prepared by the High School, Pittsburgh, and by Dilworth Hall, Pittsburgh.

Thompson, Lucille, ... *Group, History and* ———, 1910–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of the George W. Fetter Memorial Scholarship, 1910–12.

Thompson, Marjorie La Monte,
Group, English and Comparative Literature, 1908–12.
Philadelphia. Prepared by Miss Gordon's School, Philadelphia.

Thomson, Mary Marjory, ... *Group*, ———, 1911–12.
Yonkers, N. Y. Prepared by the High School, Yonkers.

Thwing, Apphia Stanley,
Group, History and Economics and Politics, 1909–12.
Cleveland, O. Prepared by the Laurel School, Cleveland.

Tinker, Ruth, ... *Group, French and* ———, 1911–12.
Stamford, Conn. Prepared by Miss Low and Miss Heywood's School, Stamford.

Tomkins, Mary Jeannette Keney,
Group, History and Economics and Politics, 1911–12.
Philadelphia. Prepared by St. Agnes School, Albany, N. Y., by Miss Hills's School, Philadelphia, and by private tuition.

Tongue, Mary Van Arsdale, . . *Group, English and Philosophy*, 1909–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Holder of Bryn Mawr School Scholarship, 1909–10.

Turner, Grace, ... *Group, Greek and Latin*, 1909–12.
Berwyn, Pa. Prepared by the Girls' High School, Philadelphia.

Tuttle, Ruth Alden, ... *Group*, ———, 1911–12.
Canandaigua, N. Y. Prepared by the Gordon-Winston School, New York City.

Tyson, Marjorie Idalene, ... *Group*, ———, 1911–12.
New York City. Prepared by the Hawthorne School, New York City.

Van Dyke, Nancy Duncan, ... *Group*, ———, 1910–12.
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary and by Rosemary Hall, Greenwich, Conn.

Van Horn, Emily Ellison, ... *Group*, ———, 1911–12.
Scarsdale, N. Y. Prepared by the Lockwood Collegiate School, Scarsdale. Holder of Second (equal) Bryn Mawr Matriculation Scholarship for New York, New Jersey and Delaware, 1911-12.

Vennum, Mary Durham,
Group, History and Economics and Politics, 1908–12.
Onarga, Ill. Prepared by Grand Prairie Seminary, Onarga, by Miss Wright's School, Bryn Mawr, Pa., and by private tuition.

Vincent, Isabel Darlington, ... *Group, English and French*, 1908–12.
Chicago, Ill. Prepared by the University High School, Chicago.

WALLER, RUBY LEORA,......................*Group*, ———, 1910–12.
Kewanee, Ill. Prepared by the High School, Kewanee, by the Baldwin School. Bryn Mawr, and by private tuition.

WALLERSTEIN, RUTH COONS,..........*Group, Latin and* ———, 1910–12.
Philadelphia. Prepared by the Stevens School, Germantown, Philadelphia.

WALTER, MARJORIE FANNIE,
Group, History and Economics and Politics, 1908–12.
New York City. Prepared by St. Mary's School, New York City, and by private tuition.

WALTON, CAROLINE EMMA,..................*Group*, ———, 1911–12.
Hummelstown, Pa. Prepared by the Misses Shipley's School, Bryn Mawr.

WARD, MIRIAM ELSIE,.......................*Group*, ———, 1910–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Holder of Trustees' Philadelphia Girls' High School Scholarship, 1910–12.

WARREN, MARY EDWINA,...................*Group*, ———, 1910–12.
Chestnut Hill, Mass. Prepared by the Misses May's School, Boston, Mass.

WASHBURN, ELEANOR PHILLIPS,..............*Group*, ———, 1910–12.
Brooklyn, New York City. Prepared by the Brooklyn Heights Seminary, Brooklyn.

WATSON, LOUISE,..........*Group, Mathematics and Philosophy*, 1908–12.
Portsmouth, Va. Prepared by the Baldwin School, Bryn Mawr, Pa.

WEAVER, ELIZABETH WALDRON NORMAN,.......*Group*, ———, 1911–12.
Newport, R. I. Prepared by the Rogers High School, Newport, and by the Baldwin School, Bryn Mawr, Pa.

WEBB, ELIZABETH,..............*Group, Chemistry and Geology*, 1911–12.
Springfield, O. Prepared by the Springfield Seminary, by the Walnut Hill School, Natick, Mass., and by private tuition.

WEBSTER, MALLORY WHITING,.................*Group*, ———, 1911–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

WELLES, CARLOTTA,.................*Group, Latin and French*, 1908–12.
Paris, France. Prepared by Villa Dupont, Paris, and by the Baldwin School, Bryn Mawr, Pa. Holder of Second Bryn Mawr Matriculation Scholarship for Pennsylvania and the Southern States, 1907–08.

WELLS, ELEANOR,
Hearer by Courtesy in English, French, and History, 1910–12.
Philadelphia. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.

WESTLING, CATHERINE LILLIE,...............*Group*, ———, 1910–12.
Philadelphia. Prepared by the Girls' High School, Philadelphia.

WESTON, DOROTHY VIVIAN,...................*Group*, ———, 1910–12.
Weston's Mills, N. Y. Prepared by the Baldwin School, Bryn Mawr, Pa.

WHITE, ANNE LINDSAY,
Group, History and Economics and Politics, 1910–12.
Evanston, Ill. Prepared by the Township High School, Evanston. Northwestern University, 1909–10.

WILLIAMS, KATHARINE DELANO,
Group, French and Italian and Spanish, 1909–12.
Dedham, Mass. Prepared by Miss Winsor's School, Boston, Mass.

WILLIAMS, MARGARET SANDERSON,
Group, History and Economics and Politics, 1910–12.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.

WOLF, ELIZABETH PAULINE,..................*Group*, ———, 1911–12.
Indianapolis, Ind. Prepared by the Shortridge High School, Indianapolis, by Tudor Hall, Indianapolis, and by private tuition.

WOLFF, DOROTHY SYBIL,
Group, History and Economics and Politics, 1908–12.
New York City. Prepared by the Finch School, New York City.

WOOD, AGNES PENMAN,
Group, History and Economics and Politics, 1907–12.
Wayne, Pa. Prepared by the Misses Shipley's School, Bryn Mawr, Pa., and by private tuition.

WOODIN, MARY LOUISE,........................*Group*, ———, 1910–12.
New York City. Prepared by the Charlton School, New York City.

WRIGHT, JULIA SCHELL,........................*Group*, ———, 1911–12.
Bedford, Pa. Prepared by the High School, Bedford.

YOST, MARGARET JANE,........................*Group*, ———, 1911–12.
Braddock, Pa. Prepared by the Thurston-Gleim School, Pittsburgh, Pa.

ZECKWER, ISOLDA THÉRÈSE,...................*Group*, ———, 1911–12.
Philadelphia. Prepared by the Friends' Central School, Philadelphia.

ZIESING, GERTRUDE LENORE,..................*Group*, ———, 1909–12.
Glencoe, Ill. Prepared by the Misses Shipley's School, Bryn Mawr, Pa.

ZIMMERMAN, SALLY ALMA,.....................*Group*, ———, 1911–12.
Somerset, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.

SUMMARY OF STUDENTS.

Class of 1912	67	
Class of 1913	71	
Class of 1914	100	
Class of 1915	126	
Class of 1916	3	
Hearers	9	
		376
Resident Fellows	12	
Resident Graduates	61	
		73
Non-Resident Fellows		3
Total		452

BRYN MAWR COLLEGE.

Introductory Statement.

BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the woman's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

Admission.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers.

Graduate Students.

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

Fellows and Scholars.

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Four European traveling fellowships, fifteen resident fellowships and twenty graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 69 to 71.

Undergraduate Students.

Undergraduate students must have fulfilled the requirements for matriculation, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 57 to 65.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the College for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers.

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree. They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the College, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

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* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary of the College.

Examination for Matriculation.

The examination for matriculation must be taken by all who wish to pursue their studies in the undergraduate department of the college, either as candidates for a degree or as students pursuing special courses, with the exception of such applicants for admission as present a certificate of honorable dismissal from some college or university of acknowledged standing.*

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* The examinations of the College Entrance Examination Board which are designated by Bryn Mawr College as equivalent to the matriculation examinations of the college will be accepted, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

The matriculation examination may not be taken in more than two divisions; but, if this rule be observed, candidates may divide the divisions as they please between the examination of Bryn Mawr College and of the College Entrance Examination Board; both divisions may be taken in the Bryn Mawr College examination, or in the examination of the College Entrance Examination Board; or one division may be taken in the Bryn Mawr College examination, and the other in the examination of the College Entrance Examination Board.

Not more than one calendar year and the summer vacation may elapse between the two divisions of the examination for admission. There is no other restriction as to time; for example, candidates may present themselves for the first division of their examination in the spring examination of Bryn Mawr College, held during the last week in May and the first week in June, and for the second division at the examination held by the College Entrance Examination Board in the fourth week of June of the same year; or if they fail in the spring examination of Bryn Mawr College they may try the same subjects again in the examination of the College Entrance Examination Board three weeks later.

In case a sufficient number of sections to secure admission is not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been also offered in the division which is to be counted), must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

Candidates who have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations in the Bryn Mawr College or the College Entrance Examination Board examination; in the case of a condition in French or German, however, the entire examination in the language must be taken, unless the condition is in *grammar only*, in which case it may be removed by passing the Bryn Mawr

The examination for matriculation is open to those also who wish to take it as a test of proficiency in elementary studies, but have no intention of entering the college. Certificates are given to those who are successful in passing the examination.*†

Blank forms of application for admission may be obtained from the Secretary of the College.

Examinations are held annually in the spring, autumn, and winter at Bryn Mawr College, and in the spring of the year

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College examination in grammar; and in the case of a condition in English Composition incurred in the Bryn Mawr College examination the entire examination in English, *a* and *b* must be passed in order to remove the condition by passing the College Entrance Examination Board's examination.

Candidates taking the College Entrance Examination Board's examination will not be considered in the awarding of the eight Bryn Mawr competitive entrance examination scholarships, unless the final division of the examination be taken in the spring Bryn Mawr College examination. Candidates are not eligible when the finals are taken in the autumn examination.

TABLE OF EQUIVALENT EXAMINATIONS.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
Subjects.		*Subjects.*	*Sections.*
Mathematics: *a*, Elementary Algebra, complete	=	Algebra	2
Mathematics: *c*,	=	Plane Geometry	2
Old requirements, Latin: *l*,	=	Latin Grammar and Prose Composition	1
Old requirements, Latin: *p*,	=	Latin Prose Authors	2
Old requirements, Latin: *q*,	=	Latin Poetry	1
English: *b*,	=	English Grammar	1
English: *a*,	=	English Composition	3
History: *a* or *c* or *d*,	=	Greek and Roman, or English, or American History	1
Physics, or Chemistry, or Botany, or Geography, or Zoology:	=	Science	1
Greek: *f*,	=	Greek Grammar and Composition	1
Greek: *g*,	=	Greek Prose Authors	1
Greek: *h*,	=	Greek Poetry	1
French: *a*, and combined examination (*bc*),	=	French Grammar and Translation	3
German: *a*, and combined examination (*bc*)	=	German Grammar and Translation	3

Examinations for Advanced Standing.

Mathematics: *d*,	=	Solid Geometry.
Mathematics: *e*,	=	Trigonometry.
No Equivalent	=	Minor Latin.

* Printed sets of matriculation papers may be obtained for thirty cents from the Secretary of the College.

† For the eight competitive entrance scholarships awarded annually see page 78.

may be held at other places; they are always held in the spring in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, and London (England). Candidates taking examinations at the above mentioned regular examination centres are charged a fee of five dollars for the whole or any part of the examination.

Examinations may also be held by request at other places, but in this case the candidates must defray the whole expense of the examination, the minimum fee being five dollars. In the past eight years examinations have been held by request at the following places:

California: Berkeley, Los Angeles, Pasadena, San Francisco; Colorado: Denver; Connecticut: Greenwich, Washington; Georgia: Athens, Savannah; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Dubuque; Kentucky: Louisville; Maryland: Catonsville; Massachusetts: Cambridge, Fall River; Michigan: Detroit; Minnesota: Minneapolis; Missouri: St. Louis; Montana: Helena; New Jersey: Princeton, Trenton; New York: Binghamton, Buffalo, New Rochelle, Rochester, Rye, Utica; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Carlisle, Harrisburg, Lititz, Pittsburgh, Scranton, Wilkes Barre; Rhode Island: Providence; Tennessee: Memphis; Virginia: Richmond; Wisconsin: Fond du Lac, Madison, Milwaukee, and Washington, District of Columbia; France: Paris; Germany: Munich; Asia Minor: Tarsus.

Candidates who intend to present themselves for examination at Bryn Mawr College must apply to the Secretary of the College at least two weeks before the date set for the beginning of the examinations and the application should be made on a form to be obtained from the Secretary of the College, and must be accompanied by the fee of five dollars charged for each division of the examination. Candidates who do not apply *two weeks* before the date of the beginning of the examinations will be charged an additional fee of five dollars. Candidates intending to take examinations elsewhere than at Bryn Mawr College must apply to the Secretary of the College at least *six weeks* before the date set for the beginning of the examinations. Candidates who fail to do this will be charged a fee of five dollars in addition to the fee charged for the examination.

Tabular Statement.—In order to obtain a certificate of admission to Bryn Mawr College the candidate must be examined in *all** the following subjects, counted as equivalent to twenty sections, must take the examination in not more than two divisions, and must pass not fewer than four sections in the first division and not fewer than fifteen sections in the two divisions. No candidate will be admitted to Bryn Mawr College if conditioned in more than five sections.

Subjects.			*Sections.*
Algebra			2
Plane Geometry			2
Latin Grammar and Prose Composition			1
Latin Prose Authors			2
Latin Poetry			1
English Grammar			1
English Composition			3
History			1
Science			1
Greek Grammar and Prose Composition	1	Two of these three languages	6
Greek Prose Authors	1		
Greek Poetry	1		
German Grammar and Translation	3		
French Grammar and Translation	3		
			20

The number of sections allotted to each subject indicates approximately the time which should be devoted to preparation for that subject. Thus if, for example, the candidate studies five subjects in each year during the last four years of preparation for college, then Mathematics, Latin, and English should be studied for all four years since each counts as four sections of the examination; History and Science should each be studied for one year since each counts as one section; and the two languages (Greek and German, or Greek and French, or German and French) should be studied for three years since each counts as three sections, or three-twentieths, of the examination.

The examination may not be taken in more than two divisions. In each division the candidate may offer any sections she pleases, provided that she offer in the first division a sufficient number of sections (at least four) to secure a certificate. If however French or German be selected, all the three sections grammar, and prose and verse translation must be offered in the same division.

If more than one calendar year and the summer vacation elapse between the two divisions of the examination for admission the first division is cancelled and must be repeated. In case a sufficient number of sections to secure admission be not passed in two divisions of the examination the sections taken in one division must be cancelled, and all the sections offered in the cancelled division (except those sections which have been offered in the division which is to be counted) must be offered again, together with a sufficient number of the sections in which the candidate has been conditioned to ensure her passing in the required number of sections.

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* Candidates are expected to show by their papers that all the subjects required for matriculation have been studied for a resaonable length of time. Total failure in the second division of the examination in any subject, when such failure is of a character to indicate that the subject has been presented as a mere form, prevents the candidate from receiving any certificate, unless she can produce satisfactory evidence that the subject in question has been faithfully studied for a reasonable length of time.

Candidates that have passed the fifteen sections necessary for admission may remove conditions by passing the corresponding examinations before or after entering the college. All entrance conditions must be passed off within the first semester after the student enters the college, under penalty of exclusion from full college work during the second semester. All students who have not passed off all their entrance conditions at the end of their second semester will be excluded from the college for one year with the exception of those conditioned in only one section who are permitted to pass it off in September. A fee of three dollars is charged for each condition examination except conditions in spelling and punctuation for which the fee is one dollar. Students with entrance conditions in Greek, Latin, English, German, French, or Mathematics are not permitted to attend the college courses in these subjects until the conditions have been passed off. Conditions in history and science do not exclude students from college classes in these subjects.

Candidates desiring to enter with advanced standing *may* offer for examination before or at entrance the remaining language (either French, or German, or Greek,* whichever was not included by the candidate in the above twenty sections), and if this examination is not passed before entrance, the candidate must pass the matriculation examination in it before receiving the degree of Bachelor of Arts.†

Candidates desiring to enter with advanced standing *may* offer for examination before entrance trigonometry‡ and solid geometry. These subjects are not necessarily included in the

requirements for the degree of Bachelor of Arts, but students that have passed these examinations are credited with the equivalent number of hours of free elective work, each examination counting for this purpose as equivalent to two hours a week of free electives for one semester. Such advanced standing examinations will enable the student to lighten her work in college or to enlarge her choice of elective studies, but will not enable her to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

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* Students that have not passed the matriculation examination in Greek may substitute for it the matriculation course in Greek or the minor course in Latin. The minor course in Latin may also be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 48, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Livy, *Book xxi.*, Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin.

B. Horace, *Odes*, except *i.* 25, 27, 33, 36; *ii.* 5; *iii.* 6, 15, 20; *iv.* 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Sæculare; Satires* *i.* 1, 5, 6, 9; *ii.* 6; *Epistles* *i.* 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section *A* and one in Section *B*, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

† If this examination is not passed before the beginning of the student's third year in the college, she must attend the college class in the subject, or in Minor Latin, the substitute for Greek, in her third year.

‡ For examinations in the College Entrance Examination Board equivalent to those which may be offered for advanced standing, see page 50.

Definition of Matriculation Subjects.

Mathematics. *I.* **Mathematics.**—Algebra. (Counting as two sections.) Plane Geometry. (Counting as two sections.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential.

In Algebra, C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham), and in Geometry, Phillips and Fisher's *Elements of Geometry* (abridged edition) or Wentworth's *Geometry*, will serve to indicate the preparation required for these examinations.

Latin. *II.* **Latin.**—Grammar and Composition. (Counting as one section.) Translation at sight of simple passages in Latin prose. (Counting as two sections.) Translation at sight of simple passages of Latin poetry. (Counting as one section.) Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Gallic War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations, Letters,* and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Aeneid, Bucolics,* and *Georgics*), and Ovid (*Metamorphoses, Fasti,* and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Gallic War, I-IV*, Cicero, *Manilian Law, Archias,* and four *Orations against Catiline,* and Vergil, *Aeneid, I-VI.* The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

History. *III.* **History.**—The outlines of the History of Greece and Rome; *or* the outlines of the History of England; *or* the outlines of the History of the United States. (Counting as one section.)

Botsford's *History of Greece*, Botsford's *History of Rome*, Andrews' *History of England*, Cheyney's *A Short History of England*, and McLaughlin's *History of the American Nation*, or Adams and Trent's *History of the United States*, will serve to indicate the preparation required.

English.

English.—English Grammar. (Counting as one section.) English Composition. (Counting as three sections.) The examinations in grammar and composition may be divided and may be taken in either division of the entrance examination. The examination in English Grammar consists of the correction of passages of incorrect English. In and after the year 1913 questions will be asked to test the candidate's knowledge of the grammatical principles involved in the corrections, in especial concerning the details of sentence structure. The examination in English Composition consists of a critical composition of 350 words and, in addition, of one or two paragraphs in which the candidate is asked to give in a descriptive or narrative form the substance of important parts of the required reading.

In 1912 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V, Macbeth,* and *The Merchant of Venice;* Milton's *Lycidas, Comus, L'Allegro,* and *Il Penseroso;* the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Tintern Abbey,* "*Three years she grew in sun and shower,*" *The Solitary Reaper,* "*O Nightingale! thou surely art,*" "*The world is too much with us,*" "*Earth has not anything to show more fair,*" "*It is not to be thought of that the flood*"; Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Adonais, Sensitive Plant,* and *To a Skylark;* Keats's *Eve of St. Agnes, Ode to Autumn,* and *Ode to a Nightingale:* Tennyson's *Passing of Arthur;* Carlyle's *Essay on Burns;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Thackeray's *Henry Esmond.*

In 1913 and 1914 candidates must be familiar with Chaucer's *Prologue* and *Knight's Tale;* Shakespeare's *Richard II, Henry IV* (expurgated), *Henry V,* and *The Merchant of Venice;* Milton's *Paradise Lost,* Books I and II; the *Sir Roger de Coverley Papers* in the *Spectator;* Matthew Arnold's *Essay on Gray;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Wordsworth's *Michael, Tintern Abbey,* "*Three years she grew in sun and shower,*" *The Solitary Reaper,* "*O Nightingale! thou surely art,*" "*The world is too much with us,*" "*Earth has not anything to show more fair,*" "*It is not to be thought of that the flood*"; Coleridge's *Ancient Mariner* and *Christabel;* Shelley's *Ode to the West Wind, To a Skylark, To a Cloud,* and "*Swiftly walk over the Western Wave*"; Keats's *Eve of St. Agnes, Ode to Autumn,* and *Ode to a Nightingale;* Tennyson's *Passing of Arthur;* Macaulay's *Life of Johnson;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Stevenson's *Kidnapped.*

The following books agreed on for the year 1912 by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States, will be accepted in that year as equivalents for the books prescribed for the English examinations of Bryn Mawr College: Chaucer's *Prologue;* Shakespeare's *Henry V, Macbeth,* and *The Merchant of Venice;* Milton's *L'Allegro, Il Penseroso,* and *Comus;* the *Sir Roger de Coverley Papers* in the *Spectator;* Palgrave's *Golden Treasury* (*first series*) *Book IV,* with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner;* De Quincey's *Joan of Arc* and *The English Mail Coach;* Burke's *Speech on Conciliation with America;* Scott's *Ivanhoe;* Hawthorne's *House of the Seven Gables;* Carlyle's *Essay on Burns;* Ruskin's *Sesame and Lilies;* Tennyson's *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur.*

In 1913 and 1914 Macaulay's *Life of Johnson,* Thackeray's *English Humourists,* and Stevenson's *Inland Voyage* and *Travels with a Donkey* must be added to and Carlyle's *Essay on Burns,* De Quincey's *Joan of Arc* and *The English Mail Coach,* and Ruskin's *Sesame and Lilies* omitted from this list.

In 1915 candidates must be familiar with the following books agreed on by the Associations of the Colleges and Schools of the New England States, the Middle States and Maryland, the North Central States, and the Southern States: Shakespeare's *A Mid-*

summer Night's Dream, *The Merchant of Venice*, *Julius Cæsar*, and *Macbeth;* Milton's *L'Allegro*, *Il Penseroso*, and *Comus;* the *Sir Roger de Coverley Papers* in the *Spectator;* Gray's *Elegy in a Country Churchyard;* Burke's *Speech on Conciliation with America;* Palgrave's *Golden Treasury* (*first series*), *Book IV*, with special attention to Wordsworth, Keats, and Shelley; Coleridge's *Ancient Mariner;* Scott's *Ivanhoe;* Thackeray's *Henry Esmond;* Hawthorne's *House of the Seven Gables;* Macaulay's *Life of Johnson;* Tennyson's *Passing of Arthur;* Arnold's *Sohrab and Rustum;* Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City;* Stevenson's *Inland Voyage* and *Travels with a Donkey*.

In preparing for this examination special attention should be given to the structure of the whole composition, and the analysis of model essays, for example Arnold's *Essay on Gray*, is recommended. Robins and Perkins's *Introduction to the Study of Rhetoric*, Hill's *Foundations of Rhetoric*, Abbott's *How to Write Clearly*, and Bigelow's *Handbook of Punctuation*, will serve to indicate the preparation required for paragraph structure, sentence structure, and punctuation.

Science.

Science.—The elements of one of the following sciences:—Physics, *or* Chemistry, *or* Botany, *or* Physiology, *or* Physical Geography. (Counting as one section.)

Carhart and Chute's *Elements of Physics*, or Mann and Twiss's *Physics;* Remsen's *Introduction to the Study of Chemistry* (Briefer Course); Atkinson's *Elementary Botany* or Barnes's *Plant Life* or Bergen and Davis's *Principles of Botany* used in connection with Spalding's *Introduction to Botany* or Caldwell's *Plant Morphology;* Hough and Sedgwick's *Elements of Physiology*, or Fitz's *Physiology and Hygiene* will serve to indicate the preparation required. Candidates are advised, whenever possible, to offer Physics, as this study forms the best basis for scientific work. It is recommended that candidates should have some knowledge of the metric system.

IV. Two of the following languages:

Greek.

Greek.—Grammar and Composition. (Counting as one section.) Translation at sight of simple passages in Attic prose, such as Xenophon's *Anabasis* or *Memorabilia*. (Counting as one section.) Translation at sight of passages of average difficulty from Homer. (Counting as one section.) Due allowance is made for unusual words and there are questions testing the candidate's practical knowledge of grammar and prosody.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

French.

French.—Grammar and Composition. (Counting as one section.) This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary French prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary French whatsoever. Candidates preparing for these examinations are advised to acquire as large a vocabulary as possible; they are further advised in their study of verbs to concentrate their attention on the regular verbs, the auxiliaries *être*, *avoir*, such important irregular verbs as *aller*, *devoir*, *dire*, *faire*, *mettre*, *prendre*, *pouvoir*, *vouloir*, *tenir*, *venir*, *voir*, *écrire*, *lire*, *croire*, *boire*, and the typical verbs *conduire, craindre, paraître, partir*, and to acquire a fair knowledge of the use of the various past tenses and of the rules of the subjunctive.

Teachers preparing students that wish to elect French in the college are advised to train their pupils to write French from dictation in order to enable them to understand lectures delivered in French.

German.

German.—Grammar and Composition. (Counting as one section.) This is to test the candidate's knowledge of ordinary grammatical forms. Prose and Verse Translation. (Counting as two sections.) This is a test of the candidate's power to read at sight ordinary German prose and verse.

For the examination in reading no texts are assigned, the examination being intended to test the candidate's ability to read any ordinary German. Candidates should endeavour to acquire as large a vocabulary as possible; they are also advised to study the irregular nouns and verbs.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

Studies Leading to the Degree of Bachelor of Arts.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours[*] and must have obtained an examination grade above that of "passed," that is, the grade of merit,[†] (seventy per cent) or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German and some acquaintance with Latin. In the last year before graduation, oral examinations are held to test her ability to read French and German at sight. She must have been in attendance on college classes in Bryn Mawr College, or in some other college of high standing, for a period of four years;* she must have fulfilled the requirements of the department of athletics and gymnastics.

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[*] The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination, including the fourth language, trigonometry, and solid geometry when offered for advanced standing in the matriculation examination, must be included except as explained below. A grade once obtained in an examination may not be cancelled, the first one hundred and twenty hours of examinations offered qualifying, or disqualifying, for a degree. Grades received on examinations offered for work not taken in the college classes must be counted in these one hundred and twenty hours, except in the case of students who enter with advanced standing from other colleges, and give notice within the first two weeks after their entrance of a desire to offer for examination subjects already pursued. Such students will, in case they fail in these examinations, be granted the privilege of cancelling them so that they shall not count in estimating their standing under the merit law, provided they enter the corresponding courses as regular students without attempting to pass off the conditions incurred. A similar privilege will be granted to students who offer trigonometry or solid geometry or a fourth language in the matriculation examination *before* entering the college and also to students who offer proof within two weeks after entering the college that they have studied these subjects in school or college classes or under private tuition. These students are not required to enter the corresponding college classes provided they fail in the examination.

[†] Since this merit law was enacted no student who has not fulfilled the requirements as above stated has received a degree.

If a student at the end of her junior year, or in February of her senior year, has received a grade *below* seventy per cent in as many as one-half of the hours that she has offered for examination of the one hundred and twenty required for the degree, she will not be allowed to graduate at the end of her senior year; but if she wishes to continue her studies at Bryn Mawr College, must plan to remain for an additional year or for a longer period. She will be on probation during this time and her work will be prescribed by a committee of the Faculty, the object being to enable her to improve the quality of her work so that she may not ultimately be disqualified by her grades from obtaining a degree.

No student who has received a grade below seventy per cent in as many as one-half of the hours that she has taken will be permitted to hold office in any of the organisations of the college, to take part in entertainments requiring preparation, or to undertake any paid work.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

Required Studies.

Greek or French or German,† five hours a week for one year, when this subject has not been included in the examination for matriculation. Those students, however, who wish to omit Greek may substitute for the required course in Greek the minor course in Latin.‡

English, five hours a week for two years.

Philosophy, five hours a week for one year.

Science, five hours a week for one year.

Science, or *History,* or *Economics and Politics,* or *Philosophy,* or *Mathematics,* five hours a week for one year.

Two Major Courses, of five hours a week for two years each, constituting one of the following Groups: any Language with any Language;§ Latin or Greek with Ancient History; Comparative Literature with English, or German, or Italian, or Spanish§; Ancient History with

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* Work in summer schools of colleges and universities may not be substituted for work of the regular college year.

† The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German. Attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study.

‡ A student choosing Latin as one of the languages of her Group, and not wishing to study Greek, may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or German, or Italian, or Spanish.

§ For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

Classical Archæology; History with Economics and Politics; Modern European History with German, or French, or History of Art; Economics and Politics with Philosophy; Philosophy with Greek, or English, or Mathematics, or Physics; Classical Archæology with Greek, or Latin; History of Art with French, or German, or Italian, or Spanish; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

Free Electiv Courses.

Free Elective Courses, amounting to ten hours a week for one year, to be chosen by the student. It should be noted that a single study may be taken as a free elective, without electing the group that includes it, and any courses open as free electives, may be chosen without taking the remainder of the minor course of which they may form a part.

Tabular Statement.

The studies required for a degree may for convenience be tabulated as follows:

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.*
English. [*Two Courses.*]	Philosophy	Science: Physics, or Chemistry, or Geology, or Biology.	Science, or History, or Economics and Politics, or Philosophy, or Mathematics.	Matriculation French, or Matriculation German, or Matriculation Greek (or Minor Latin).

Two Major Courses (Five hours a week for Two Years Each).

Constituting any one of the following fifty-five groups:

I—XX.	XXI.	XXII.	XXIII.
Any Language with any Language† (Twenty Groups).	Comparative Literature with English.	Comparative Literature with German.	Comparative Literature with Italian.

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* The College provides matriculation classes, five hours a week throughout one year, for those students who in the examination for matriculation may have omitted Greek, French, or German; attendance on these classes is not obligatory before the beginning of the junior year, the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year.

† For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

XXIV.
Comparative Literature with Spanish.

XXV.
Comparative Literature with Italian and Spanish.*

XXVI.
Ancient History with Greek.

XXVII.
Ancient History with Latin.

XXVIII.
Ancient History with Classical Archæology.

XXIX.
History with Economics and Politics.

XXX.
Modern European History with German.

XXXI.
Modern European History with French.

XXXII.
Modern European History with History of Art.

XXXIII.
Economics and Politics with Philosophy.

XXXIV.
Philosophy with Greek.

XXXV.
Philosophy with English.

XXXVI.
Philosophy with Mathematics.

XXXVII.
Philosophy with Physics.

XXXVIII.
Classical Archæology with Greek.

XXXIX.
Classical Archæology with Latin.

XL.
History of Art with German.

XLI.
History of Art with French.

XLII.
History of Art with Italian.

XLIII.
History of Art with Spanish.

XLIV.
Mathematics. with Greek.

XLV.
Mathematics with Latin.

XLVI.
Mathematics with Physics.

XLVII.
Mathematics with Chemistry.

XLVIII.
Mathematics with Geology.

XLIX.
Mathematics with Biology.

L.–LV.
Any Science with any Science (Six Groups).

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* For the purpose of forming a group, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

Free Elective Courses.

Ten hours a week for one year in any subject, or subjects, the student may elect.

The Group System.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

Major Course.

In all departments as yet fully organised there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and major courses which fulfil this condition are designated as Groups. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English, philosophy, science, (or, if a second year of science be not elected, history, or economics and politics, or philosophy, or mathematics, or classical archæology, or history of modern art), are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

Required Courses.

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required two years in science (or the substitute permitted of one year's course in science and one year's course in history, economics and politics, philosophy, or mathematics), permit the student of chemistry and biology to pursue advanced courses in one or both of these branches, or to take a major course in physics; and they give for one year at least to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy is a general introduction into the study of the laws, conditions, and history of thought.

Post-major Courses.

In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

Free Elective Courses. All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Matriculation French, Matriculation German, Matriculation Greek, and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, *or* Classical Archæology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Mathematics). *As a Group*, German and French, *or* German and Italian and Spanish, *or* French and Italian and Spanish. *As Free Electives*, Italian and Spanish, *or* Post-major French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy). *As a Group*, Greek and English, *or* Latin and English, *or* English and German, *or* English and French, *or* English and Italian and Spanish, *or* English and Spanish, *or* English and Comparative Literature, *or* English and Philosophy. *As Free Electives*, Latin and German, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Physics, another Science, (*or* Post-major Mathematics, *or* Modern *or* Ancient History, *or* Minor Philosophy). *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Chemistry, another Science (Geology, *or* Biology), *or* Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, another Science, (*or* Ancient History, *or* Post-major History, *or* Economics and Politics, *or* Minor Philosophy, *or* Mathematics). *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Mathematics). *As a Group*, Greek and Philosophy. *As Free Electives*, Post-major Greek and Post-major Philosophy, ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics). *As a Group*, English and Philosophy. *As Free Electives*, Post-major Philosophy and Comparative Literature, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Major Ancient History, *or* Post-major Modern History.

PHILOSOPHY (with Economics and Politics, *or* with Mathematics, *or* with Physics). *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History). *As a Group*, Philosophy with

Economics and Politics, *or* with Mathematics, *or* with Physics. *As Free Electives,* Post-major Economics, *or* Mathematics, *or* Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies,* [Matriculation French, *or* Matriculation German, *or* Matriculation Greek], English, Philosophy, Science (Physics, *or* Chemistry, *or* Biology, *or* Geology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Philosophy, *or* Mathematics). *As a Group,* Greek and Classical Archæology. *As Free Electives,* History of Art, *or* Post-major Greek, *or* Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies,* [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics, *or* Elective Mathematics). *As a Group,* Physics and Chemistry, *or* Physics and Geology, *or* Physics and Biology, *or* Chemistry and Geology, *or* Chemistry and Biology, *or* Geology and Biology. *As Free Electives,* Mathematics and Physics, *or* Chemistry, *or* Geology, *or* Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies,* [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group,* Chemistry and Biology. *As Free Electives,* Post-major Biology and Post-major Chemistry, *or* Minor Latin, (if not taken as a required study) ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies,* [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group,* Economics and Politics and Philosophy. *As Free Electives,* Post-major Economics and Politics, *or* Modern History, *or* Mathematics and one or more Electives in Social Service such as Eugenics, Methods of Social Research, etc.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and politics, or science, or English, yet do not wish to elect an historical, economic, or a scientific or language group.

I. *As Required Studies,* [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, any Science, Modern History. *As a Group,* any Language with any language, *or* Chemistry and Biology. *As Free Electives,* Ancient History, five hours a week for one year, and Major Modern History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Ancient History, Major Economics and Politics, and for Major Modern History, Post-major Economics and Politics.

III. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Physics and Chemistry, *or* Geology, *or* Biology. *As a Group*, any Language with any language. *As Free Electives*, Major and Post-major Physics, *or* Chemistry, *or* Geology, *or* Biology, five hours a week for two years.

IV. *As Required Studies*, [Matriculation French, *or* Matriculation German, *or* Matriculation Greek, *or* Minor Latin], English, Philosophy, Science, (Physics, *or* Chemistry, *or* Geology, *or* Biology), another Science, (*or* Modern, *or* Ancient History, *or* Minor Economics and Politics, *or* Minor Philosophy, *or* Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study in the president's office before entering upon college work.

The studies leading to the degree of Bachelor of Arts, may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, must take the general English literature lectures and essay work in their first and second years in the college because they are required to complete this work before entering the major course in English; again, a student choosing philosophy and English as her major studies must take the general course in philosophy in her first year if she wishes to elect all the minor and major courses in English literature. Students who elect comparative literature as a major subject are recommended to elect languages early in their course. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students whose tastes are already fully formed, or who are uncertain how many years they shall remain in college, may enter at once on free elective studies and on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives and her group, inasmuch as the required studies, by accustoming her to the methods of laboratory work, and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and the fourth language (Matriculation French, or German, or Greek, or Minor Latin) may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of German or French by attendance on regular advanced classes conducted by a school, or college, or by visiting teachers, or by residence abroad, or by study under German or French governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not in itself qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College, and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The Degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. The course of study leading to the degree of Doctor of Philosophy and Master of Arts must consist of one principal, or major, subject and of one or two subordinate, or minor, subjects and must be divided between at least two departments. Two-thirds of the candidate's time should be spent on the major subject and the remaining one-third on the minor subject or subjects, and the proposed combination of major and minor subjects must have been submitted for approval to the Graduate Committee. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The candidate must have written, on some subject connected with her major subject of study, a dissertation approved by the Faculty that bears satisfactory evidence of original research and must pass written examinations and an oral examination in the presence of the members of the Faculty on both major and minor subjects. These examinations are held after the dissertation has been accepted by the department in which it is offered and must be taken within the academic year in which the candidate applies for the degree. The degree is not conferred until the candidate has satisfied the above requirements and deposited one hundred and fifty printed copies of her dissertation, bound according to the prescribed model, in the office of the Secretary of the College and one copy specially bound for the use of the library. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.

European Traveling Fellowships.

The Bryn Mawr European Fellowship of the value of $500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The President M. Carey Thomas European Fellowship of the value of $500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary E. Garrett European Fellowship of the value of $500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of $700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President.

Resident Fellowships.

Fifteen resident fellowships, of the value of $525 each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Archæology, Mathematics, Physics, Chemistry, Geology and Biology, and the Justus C. Strawbridge Fellowship in Economics and Politics.

They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Duties of Resident Fellows.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary care.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

Resident Graduate Scholarships.

Twenty Graduate Scholarships, of the value of $200 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

The Susan B. Anthony Memorial Scholarship in Political Theory, of the value of $250, was founded in 1910, and is awarded to the candidate wishing to devote herself to studies in Political Theory, whose work has given most promise of success.

Scholarships for British and German Women.

Ten Graduate Scholarships, of the value of $405 each, were founded in 1909, five for English, Scotch, or Irish women, and five for German women, and are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar.

Duties of Resident Scholars.

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

Applications for Resident Fellowships and Scholarships.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

Tuition for Graduate Students.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students† who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

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* In the case of candidates for the Scholarships open to British and German women applications must be received by April the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany.

† Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

Laboratory Fees.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

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* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated above are charged in addition to the charge for tuition.

Residence for Graduate Students.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. In other cases the deposit will be forfeited.

Summary of Expenses for Graduate Students.

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:	
For one hour† a week of lectures	$ 10.00
For two hours a week of lectures	$ 20.00
For three hours a week of lectures	$ 30.00
For four or five hours a week of lectures	$ 40.00
For six or more hours a week of lectures	$ 62.50
Room-rent for the academic year, payable on registration	$ 75.00
Board for the semester payable on registration	$100.00
Total expenses for the academic year:	
Tuition fee, for six or more hours a week of lectures	$125.00
Room-rent	$ 75.00
Board	$200.00
Infirmary fee	$ 5.00
Total for tuition, residence, and infirmary care for the academic year	$405.00
Laboratory fees for the academic year	$10 to $36

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

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* Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

† See footnote, page 72.

Tuition for Undergraduate Students.

For undergraduate students and hearers the charge for tuition is two hundred dollars a year, payable in advance.* The average cost of teaching each undergraduate student is three hundred and fifty dollars a year. The tuition fee has been fixed at two hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional one hundred and fifty dollars will be credited as a gift towards the college salaries for teaching. No reduction of the charge of two hundred dollars can be made on account of absence, illness, or for any other reason whatsoever.

Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

For undergraduate students there is an additional charge of ten dollars a semester for materials and apparatus for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

Residence for Undergraduate Students.

Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighborhood. The expense of board and residence in the college halls for undergraduate students is three hundred dollars a year and upwards, according to the room or rooms occupied by the student; in about one-third of the college rooms the expense of board and residence is three hundred or three hundred and seventy-five dollars. Of this charge two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expense of furnishing, service, heating, and light.†

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* Students that intend to take the degree of Bachelor of Arts in February will be charged only one half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

† Rugs and towels must be furnished by the students themselves.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, and the Physicians of the College. See page 180 of this Calendar.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due to the college are not refunded or remitted.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Application for rooms should be made as early as possible. The demand for rooms is very great and since every room unnecessarily reserved may prevent some other student from entering the college, every application for a room or suite of rooms, whether made by a student already in residence or by a candidate for admission to the college, must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded in the following cases:

a. If an applicant who is a student of the college gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of May preceding the academic year for which the application is made.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary of the College that she wishes to withdraw her application before the fifteenth of July preceding the academic year for which the application is made.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary of the College that she wishes to withdraw her application before the first of December preceding the semester for which the application is made.

In all other cases the deposit will be forfeited to the college.

The above mentioned deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year.*

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year; exception will be made only in the case of applicants that take, and fail to pass, the autumn examinations for matriculation, but even in this case the deposit cannot be refunded. Every applicant for a room in February will, with the above exceptions, be responsible for the rent of the room or suite of rooms assigned to her for one semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, being considered forfeit in case of withdrawal for any cause whatever. The applicant is not entitled to relet the rooms thus left vacant, this right being reserved exclusively by the college, no refund being made to the applicant in case the room or suite of rooms thus left vacant are relet. Every student who changes her room is required to pay an extra fee of fifteen dollars.

In case of prolonged illness and absence from the college extending over six weeks or more, there will be a proportionate reduction in the charge for board.

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* Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

Rooms are assigned to the entering class during the summer preceding the academic year for which application is made. No particular room or set of rooms may be applied for. Applicants are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date at which the application is registered. Cheques should be drawn payable to Bryn Mawr College.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. Electric reading lamps are provided in every room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about $8 a half-year for one dozen pieces a week. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

No charge is made for sending meals to students that are in the infirmaries by the order of the physicians of the college.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at $1.25 a day or $8.75 a week for graduate, and $1.50 a day or $10.50 a week for undergraduate students.

Students who expect to spend any part of the Christmas or Easter vacations in Bryn Mawr, Philadelphia, or the immediate neighborhood, not in their own homes and not in the college halls of residence, are required to consult the Secretary in regard to the arrangements that they wish to make.

Summary of Expenses for Undergraduate Students.

For undergraduate students the fees are as follows:

Tuition for the academic year, payable October 1st	$200.00
Room-rent for the academic year, payable October 1st	$100.00*
or $175, $200, $225, $250, $275, $300, $325, $350, $400, depending on the room or rooms occupied.	
Infirmary fee for the academic year, payable October 1st	$ 10.00†
Board for the academic year, payable in equal instalments, October 1st and February 1st	$200.00
Total for tuition, residence and infirmary fee for the academic year with minimum room-rent	$510.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year	$ 10.00
For laboratory course of four or more hours a week for the academic year	$ 20.00
Graduation fee	$ 20.00

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* In about one-sixth of the college rooms the rent is $100, making the cost of board, residence, and tuition for undergraduate students $500; but students desiring to apply for rooms at $100 must file a statement at the president's office that they are unable to afford rooms at a higher price.

† Until the new infirmary is completed, probably about December 1st, 1912, the infirmary fee will be $5.00. Thus the fee for the year 1912-13 will be $5.00 and in addition a proportion of $5.00 depending on the time the infirmary is ready for occupation.

Students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

Loan Fund.

The Students' Loan Fund of Bryn Mawr College was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The fund is managed by a committee consisting of the President of the College and representatives of the Alumnæ Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnæ Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Bernard Todd Converse, Ardmore, Pa., Miss Anne Hampton Todd, 2115 Spruce Street, Philadelphia, Miss Katherine Leonard Howell, 3307 Hamilton Street, Philadelphia, and Mrs. Edward Wyatt Evans, 1011 E. Washington Lane, Germantown, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before April 20th, of the preceding academic year.

Scholarships.

Scholarships.—Eight competitive entrance scholarships, four of the value of $300 and four of the value of $200, were founded by the College in 1896. They are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College, a first scholarship of the value of $300 and a second of the value of $200 being open to candidates from each of the following districts:—(*a*) The New England States; (*b*) New York, New Jersey, and Delaware; (*c*) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (*d*) Pennsylvania and all places not included in (*a*), (*b*), and (*c*). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the basis of the sum total of marks obtained by the candidate, but no one is eligible for the first scholarship who has received more than two conditions in the twenty sections of the examination, and no one is eligible for the second scholarship who has received more than four conditions in the twenty sections of the examination. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final examination. The competition is limited to those who intend to spend at least one year in residence at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Eight scholarships for non-resident students of $200 each, entitling the holder to free tuition, renewable for four consecutive years, were founded by the College in 1893, and were presented to the public schools of Philadelphia through Dr. Brooks, the Superintendent of the Public Schools of Philadelphia, on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High School for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnæ Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship entitling the holder to free tuition, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High School who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

One scholarship of $200 entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship of $200 entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

One competitive scholarship of the value of $200, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the eight competitive entrance scholarships of Bryn Mawr College. Two additional scholarships of the value of $200 each are open for competition to graduate students who are members of the Society of Friends and need financial assistance. Three scholarships, of $400 each, for one year, are open to those graduates of Earlham, Penn, and Guilford Colleges respectively, who in the preceding year have completed the course of their several colleges with most distinction. These scholarships have been established by the Trustees in accordance with the desire of the Founder of the college to promote the advanced education of women in the Society of Friends, of which he was a member.

Scholarships of the value of $500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

The James E. Rhoads Memorial Scholarships two in number, each of the value of $250 for one year, were founded in 1897 by the Alumnæ Association of Bryn Mawr College, in memory of the first President of the College, Dr. James E. Rhoads. The first of these scholarships is the James E. Rhoads Sophomore Scholarship, and is open to those students only who have completed college work amounting to not less than ten and not more than twenty-two and a half hours (three semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. The second of these scholarships is the James E. Rhoads Junior Scholarship, and is open to those students only who have completed college work amounting to not less than twenty and not more than thirty-seven and a half hours (five semesters' work) for a year, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for either of these two scholarships a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case either scholarship is awarded to a non-resident student, its value shall not exceed $150. The nominating committee consists of the President of Bryn Mawr College, two members of the Academic Council of the College, appointed annually by the Council, the President of the Alumnæ Association of Bryn Mawr College and three other members of the Alumnæ Association appointed by the executive committee of the Alumnæ Association. Applications for the scholarships should be addressed to the Assistant to the President, Bryn Mawr College, to be forwarded to the Chairman of the Committee.

The Mary E. Stevens Scholarship of the value of $160 founded in 1896 by former pupils of Miss Mary E. Stevens's School is awarded to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year. It is open to those students only who have registered for college work amounting to not less than forty and not more than sixty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. Applications for this scholarship should be addressed to the President of Bryn Mawr College.

Two Maria Hopper Scholarships of the value of $200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year. They are open to those students only who have registered for college work amounting to not less than twenty and not more than forty-five hours for a semester and have been in attendance upon lectures at Bryn Mawr College not less than one semester. Applications for these scholarships should be addressed to the President of Bryn Mawr College.

The Anna M. Powers Memorial Scholarship of the value of $200 was founded in 1902 by Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of $100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnæ and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Charles E. Ellis Scholarships of the value of $200 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College.

A special Thomas H. Powers Memorial Scholarship of the value of $200 was given in 1910 by Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers. The holder is nominated by the donor subject to the approval of the President and Faculty of the College.

The George W. Fetter Memorial Scholarship of the value of $200 was given in 1911 by Mrs. George W. Fetter in memory of her husband. It is awarded to a student selected by the donor subject to the approval of the President and Faculty of the College and is renewable for four consecutive years if the holder's record prove satisfactory.

The Anna Hallowell Memorial Scholarship of the value of $100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be given by the faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

The Frances Marion Simpson Scholarships, four in number, each of the value of $200, were founded in 1912 by Mr. Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship is to be awarded in October, 1912, a second in October, 1913, a third in October, 1914, and a fourth in October, 1915, to candidates who receive their final certificates in the preceding spring matriculation examination. Competition for these scholarships is open only to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition in Bryn Mawr College are entitled to compete. The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Elizabeth Duane Gillespie Scholarship in American History of the value of $60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

Foundation of Scholarships.—The sum of five thousand dollars given or left by will to the Directors of Bryn Mawr College, will found a perpetual scholarship giving free tuition to one student every year. The scholarship may be given in memory of and named after any person designated by the donor.

Form of Bequest.

I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of____________________to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

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*Dated*____________________

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* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

INSTRUCTION.

ibraries. The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-seven years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about sixty-five thousand bound volumes, and ten thousand doctor's dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 91 and 130.

The books needed principally for graduate and research work are shelved in the fourteen seminary libraries and the books on physics, chemistry, geology, and biology in the departmental libraries in Dalton Hall adjoining the laboratories in these subjects. The books of reference, sets of periodicals, and proceedings of societies and the main collection of the library are kept in the stack room.

In each of the six halls of residence are collections of from five to six hundred volumes each, consisting of books useful to undergraduate students, not only supplementing their private libraries, but duplicating such books in the general library as are most used. A seventh collection of this character is kept in the main library for the use of non-resident students.

Students may take from the general and departmental libraries for periods of two weeks each, any books except reference books and books reserved for special use. Books in the hall libraries and books reserved for special use may be taken for two hours.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Academy.
American Magazine.
Annales Politiques et Littéraires.
Athenæum.
Atlantic Monthly.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.
Bookman.
Bookman (English).
*Book News Monthly.
Bookseller.
*Bryn Mawr Alumnæ Quarterly.
Bulletin of Bibliography.
*Bulletin of the New York Public Library.
Century.
Collier's Weekly.
*Columbia University Quarterly.
Contemporary Review.
Country Life in America.
La Cultura.
Cumulative Book Index.
Deutsche Rundschau.
Dial.
Everybody's Magazine.
Fortnightly Review.
Forum.
Göttingische Gelehrte Anzeigen.
Harper's Monthly Magazine.
Harper's Weekly.
Harvard Graduate Magazine.
Internationale Wochenschrift für Wissenschaft, Kunst u. Technik.
Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
*Johns Hopkins University, Circulars.
Library Journal.
McClure's Magazine.
Mercure de France.
Mind and Body.
*Monthly Bulletin of the Carnegie Library of Pittsburgh.
Münchener allgemeine Zeitung.
Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
Nation.
Nationale Deutschland.
Neue Rundschau.
Nineteenth Century.
North American Review.
Notes and Queries.
Nuova Antologia.
Outlook.
*Pennsylvania Library Notes.
Preussische Jahrbücher.
Publishers' Weekly.
Punch.
Quarterly Review.
Reader's Guide to Periodical Literature.
Review of Reviews.
Revue Critique d'Histoire et de Littérature.
Revue de Paris.
Revue des Deux Mondes.
Revue Politique et Littéraire: Revue Bleue.
Saturday Review.
Scribner's Magazine.
Sewanee Review.
Spectator.
Der Türmer.
*Tipyn o' Bob.
*University of California, Publications.
*University of Colorado, Studies.
*University of Missouri, Studies.
*University of Nebraska, Studies.
*University of Nevada, Studies.
*University of Texas, Studies.
*University of Washington, Studies.
Westminster Review.
Die Woche.
World's Work.

Newspapers.

*Bryn Mawr Record.
New York Evening Post.
New York Times.
New York Tribune.
Philadelphia Public Ledger.
The Times (London), Weekly Edition.

Art and Archæology.

American Journal of Archæology.
Bulletin de Correspondance hellénique.
*Bulletin of the Metropolitan Museum of Art, New York.

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* Presented by the Publishers.

Burlington Magazine.
Ephemeris Archaiologike.
Gazette des Beaux Arts.
Jahrbuch des Kaiserlich deutschen archäologischen Instituts.
Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
Jahreshefte des österreichischen archäologischen Instituts in Wien.
Journal of Hellenic Studies.
Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
*Museum of Fine Arts Bulletin, Boston.
Revue Archéologique.
Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
Allgemeines statistisches Archiv.
American Federationist.
American Journal of Sociology.
American Political Science Review.
Annals of the American Academy of Political and Social Science.
Bibliographia Economica Universalis.
Bibliography of Social Science.
*Bulletin of the New York State Department of Labor.
*Bulletin of the University of Wisconsin, Economics and Political Science Series.
Case and Comment.
*City Club Bulletin.
Columbia Law Review.
Congressional Record.
*Daily Consular Trade Reports.
Economic Journal.
Economic Review.
Equity Series.
Harvard Law Review.
International Socialist Review.
Jahrbücher für Nationalökonomie u. Statistik.
Johns Hopkins University Studies in Historical and Political Science.
Journal of Political Economy.
Journal of the Royal Statistical Society.
Political Science Quarterly.
Publications of the American Economic Association.
Publications of the American Statistical Association.
Quarterly Journal of Economics.
Revue Bibliographique.
*Southern Workman.
Survey.
*University of Missouri Studies, Social Science Series.
*University of Pennsylvania Publications, Series in Political Economy and Public Law.
Vierteljahrschrift für Philosophie u. Soziologie.
*Visiting Nurse Quarterly.
Yale Review.
Zeitschrift für Socialwissenschaft.
Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Education.

Education.
Educational Review.
Educational Times.
Elementary School Teacher.
Journal of Educational Psychology.
Journal of Pedagogy.
*Journal of the Association of Collegiate Alumnæ.
Lehrproben and Lehrgänge.
Manual Training Magazine.
Pedagogical Seminary.
Padagogische Studien.
Revue Internationale de l'Enseignement Supérieur.
Revue Universitaire.
School Review.
*University of California Publications, Education.
Vocational Education.
Zeitschrift für Schulgesundheitspflege.

History.

American Historical Review.
*Bulletin of the University of Wisconsin, History Series.
English Historical Review.
Historische Vierteljahrschrift.
Historische Zeitschrift.
*Illinois State Historical Society Journal.
Klio, Beiträge zur alten Geschichte.
Pennsylvania Magazine of History.
Revue des Questions Historiques.
Revue Historique.
*University of Pennsylvania Publications, Series in History.
*University of Toronto Studies, History and Economics.

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* Presented by the Publishers.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
Classical Journal.
Classical Philology.
Classical Quarterly.
Classical Review.
Classical Weekly.
Harvard Studies in Classical Philology.
Hermes.
Journal of Hellenic Studies.
Journal of Roman Studies.
Mnemosyne.
Le Musée Belge, Revue de Philologie Classique.
Philologische Untersuchungen.
Quellen und Forschungen zur lateinischen Philologie.
Revue de Philologie.
Revue des Etudes Grecques.
Rheinisches Museum für Philologie.
Rivista di Filologia.
Studi Italiani di Filologia Classica.
Studi Storici per l'Antichita Classica.
Wiener Studien, Zeitschrift für classische Philologie.
Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
Berliner philologische Wochenschrift.
Eranos.
Indogermanische Forschungen.
Journal of Philology.
Memoires de la Société Neo-philologique à Helsingfors.
Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
Transactions of the American Philological Association.
*University of Pennsylvania Publications, Series in Philosophy and Literature.
Zeitschrift für das Gymnasialwesen.
Zeitschrift für die österreichischen Gymnasien.
Zeitschrift für vergleichende Literaturgeschichte.
Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
Anglistische Forschungen.
Annales de la Société Jean-Jacques Rousseau.
Annales Romantiques.
Archiv für das Studium der neueren Sprachen.
Archivio Glottologico Italiano.
Arkiv for Nordisk Filologi.
Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
Beiträge zur Geschichte der deutschen Sprache und Literatur.
Bonner Studien zur englischen Philologie.
British Society of Franciscan Studies.
Bulletin de la Société des Anciens Textes Français.
Bulletin hispanique.
Chaucer Society, Publications (both series).
Deutsche Literaturzeitung.
Dialect Notes.
Early English Text Society Publications (both series).
Englische Studien.
Euphorion.
German American Annals.
Germanisch-romanische Monatsschrift.
Giornale Dantesco.
Giornale Storico della Letteratura Italiana.
Goethe Jahrbuch.
Irish Text Society, Publications.
Jahrbuch der deutschen Shakespeare Gesellschaft.
Jahrbuch des Vereins für niederdeutsche Sprachforschung.
Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
Journal of German Philology.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
Literarische Echo.
Literarisches Centralblatt.
Literaturblatt für germanische und romanische Philologie.
Le maître Phonétique.
Malone Society, Publications.
Modern Language Notes.

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* Presented by the Publishers.

Modern Language Review.
Modern Philology.
Münchener Beiträge zur romanischen und englischen Philologie.
Palaestra.
Poet-lore.
Praeger deutsche Studien.
Publications of the Modern Language Association.
Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
Rassegna Bibliografica.
Revue d'Histoire Littéraire de la France.
Revue des Etudes Rabelaisiennes.
Revue Germanique.
Revue Hispanique.
Romania.
Romanische Forschungen.
Schriften der Goethe Gesellschaft.
Scottish Text Society, Publications.
Société des Anciens Textes français, Publications.
Société des Textes Français Modernes, Publications.
Studi Medievali.
Wiener Beiträge zur englischen Philologie.
Zeitschrift für den deutschen Unterricht.
Zeitschrift für deutsche Philologie.
Zeitschrift für deutsches Altertum und deutsche Litteratur.
Zeitschrift für französische Sprache und Litteratur.
Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
Jewish Quarterly Review.
Proceedings of the Society of Biblical Archæology.
Recueil d'archæologie orientale.
Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
Zeitschrift für ägyptische Sprache und Altertumskunde.
Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
Année Psychologique.
Archiv für die gesamte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.
Archives de Psychologie.
British Journal of Psychology.
Bulletin de l'Institut Psychologique.
International Journal of Ethics.
Journal de Psychologie.
Journal für Psychologie und Neurologie.
Journal of Abnormal Psychology.
Journal of Animal Behaviour.
Journal of Philosophy, Psychology and Scientific Methods.
Mind.
Monist.
Philosophical Magazine.
Philosophical Review.
Psychological Bulletin.
Psychological Review.
Psychological Review; Monograph Supplements.
Psychological Review; Psychological Index.
Psychologische Arbeiten.
Psychologische Studien.
Revue de l'Hypnotisme.
Revue de Metaphysique.
Revue Philosophique.
*University of California Publications, Philosophy.
*University of Toronto Studies, Psychology Series.
Vierteljahrsschrift für wissenschaftliche Philosophie.
Zeitschrift für angewandte Psychologie.
Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1 abt., Zeitschrift für Psychologie. 2 abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
American Journal of Religious Psychology and Education.
American Journal of Theology.
†Association Monthly.
†Australasian Intercollegian.
*Baptist Missionary Magazine.
†Bible Student and Teacher.
Biblical World.
Bibliotheca Sacra.
*Deaconess Advocate.
†Deutsche christliche Studenten-Bewegung-Mitteilungen.
†Evangel.

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* Presented by the Publishers.

† In Christian Association Library.

Expositor.
Expository Times.
*Friends' Missionary Advocate.
*Hartford Seminary Record.
Harvard Theological Review.
†Herald of Gospel Liberty.
†Intercollegian.
Journal of Biblical Literature.
Journal of Theological Studies.
†Medical Missionary.
†Missionary Review.
Proceedings of the Society of Biblical Archæology.
*Publications of the American Jewish Historical Society.
†Record of Christian Work.
Religious Education.
Revue Biblique.
*Spirit of Missions.
†Student Movement.
*Washington Chapel Chronicle.
*Woman's Missionary Friend.
†Young Women of Canada.

Science, Biology.

American Journal of Anatomy.
American Journal of Physiology.
American Naturalist.
Anatomischer Anzeiger.
Archiv für Anatomie und Physiologie.
Archiv für die gesammte Physiologie.
Archiv für Entwicklungsmechanik der Organismen.
Archiv für mikroskopische Anatomie.
Archiv für Protistenkunde.
Bibliographia Physiologica.
Biologisches Centralblatt.
Biometrika.
Botanische Zeitung. 1. Abtheilung.
Botanische Zeitung. 2. Abtheilung.
Botanisches Centralblatt.
*Brown University, Contributions from the Biological Laboratory.
Centralblatt für Physiologie.
*Illinois State Laboratory of Natural History Bulletin.
Jahrbücher für wissenschaftliche Botanik.
Journal de Physiologie.
Journal of Experimental Zoology.
Journal of Physiology.
Journal of the Royal Microscopical Society.
Mittheilungen aus der Zoologischen Station zu Neapel.
Quarterly Journal of Microscopical Science.
*University of California Publications, Physiology.
*University of California Publications, Zoology.
*University of Pennsylvania, Contributions from the Botanical Laboratories.
*University of Pennsylvania, Contributions from the Zoological Laboratories.
*University of Toronto Studies, Biological Series.
University of Toronto Studies, Physiological Series.
Zeitschrift für wissenschaftliche Zoologie.
Zoologischer Anzeiger.

Science, General.

American Journal of Science.
Atti della Reale Accademia della Scienze di Torino.
Bulletin de l'Académie Imperiale des Sciences de St. Pétersbourg.
*Bulletin of the University of Wisconsin, Engineering Series.
*Bulletin of the University of Wisconsin, Science Series.
Comtes Rendus des Séances de l'Académie des Sciences.
Elisha Mitchell Scientific Society Journal.
*Kansas University, Science Bulletin.
Nature.
*München-Königlich bayerische Akademie der Wissenschaft, Mathematisch-physikalische Klasse.
*New York State Museum Bulletin.
*Oklahoma University Research Bulletin.
Philosophical Transactions of the Royal Society of London.
Popular Science Monthly.
Proceedings of the American Philosophical Society.
Proceedings of the Royal Society of London.
Science.
*Technology Review.
*University of Missouri Studies, Science Series.

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* Presented by the Publishers.

† In Christian Association Library.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
Economic Geology.
Geographical Journal.
Geological Magazine.
Geologisches Centralblatt.
*Georgia Geological Survey Bulletin.
*Illinois Geological Survey Bulletin.
Journal of Geography.
Journal of Geology.
Meteorologische Zeitschrift.
Mineralogical Magazine.
Mineralogische und petrographische Mittheilungen.
National Geographic Magazine.
Neues Jahrbuch für Mineralogie, Geologie und Palæontologie.
Philadelphia Geographical Society Bulletin.
Quarterly Journal of the Geological Society.
*U. S. Monthly Weather Review.
*University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
American Chemical Journal.
American Journal of Mathematics.
Annalen der Chemie.
Annalen der Physik.
Annales de Chimie et de Physique.
Annales de la Faculté des Sciences de l'Université de Toulouse.
Annales Scientifiques de l'Ecole Normale Supérieure.
Annali di Matematica.
Astrophysical Journal.
Beiblätter zu den Annalen der Physik.
Berichte der deutschen chemischen Gesellschaft.
Bibliotheca Mathematica.
Bollettino di Bibliografia e Storia delle Scienze Matematiche.
Bulletin de la Société Mathématique.
Bulletin des Sciences Mathématiques.
Bulletin of the American Mathematical Society.
Giornale di Mathematiche.
Jahrbuch über die Fortschritte der Mathematik.
Jahresbericht der deutschen mathematiker Vereinigung.
Jahresbericht über die Fortschritte der Chemie.
Journal de Mathématiques.
Journal de Physique.
Journal für die reine und angewandte Mathematik.
Journal für praktische Chemie.
Journal of the Chemical Society.
Mathematische Annalen.
Messenger of Mathematics.
Monatshefte für Chemie.
Physical Review.
Physikalische Zeitschrift.
Proceedings of the London Mathematical Society.
Quarterly Journal of Mathematics.
Rendiconti del Circolo Matematico di Palermo.
Science Abstracts.
Transactions of the American Mathematical Society.
*U. S. Bureau of Standards Bulletin.
*University of Pennsylvania Publications, Astronomical Series.
*University of Toronto Studies, Papers from the Chemical Laboratories.
*University of Toronto Studies, Papers from the Physical Laboratories.
Zeitschrift für anorganische Chemie.
Zeitschrift für Elektrochemie.
Zeitschrift für Mathematik und Physik.
Zeitschrift für physikalische Chemie.

The library is open daily from eight A.M. to ten P.M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 232,000 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, $12 a year, or $10 for nine months.

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* Presented by the Publishers.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, $5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 68,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 314,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 367,000 volumes and 89,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 53,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 80,000 volumes, and 200,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Courses of Study.

There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, German, French, Italian and Spanish, Comparative Literature, Modern and Ancient History, Economics and Politics, Philosophy and Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, and Education.

Graduate courses are offered in Sanskrit, and Indo-European Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Modern and Old French, Italian, Spanish, and other Romance Languages, Comparative Literature, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Philosophy, Experimental Psychology, Education, Classical Archæology, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, Physiology, and Physiological Chemistry.

Courses in Language and Literature.

The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature. Whenever it has been practicable, as in Greek and Latin and in the modern languages, one half of the major course has been devoted to strictly linguistic studies, and the other half to the history of literature. The group work in English is constructed on this model, one half of the course being devoted to philology, and the other half to literary interpretation. Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

Lectures.

Whenever possible, as in the courses in Greek, Latin, English, German, and French literature, in history, politics, philosophy, the history of art, mathematics, and science, the instruction is given by means of lectures. It is the object of these lectures to give a clear and succinct statement of facts and principles; to enumerate and criticise with frankness hand-books, authorities, and editions; to bring the student's knowledge up to date, and to inform her, step by step, what things have been definitely ascertained and what things remain to be investigated. It is intended that the notes taken on these lectures, in addition to their immediate practical use, shall be of lasting value for reference, and be the starting-point, or at least the schedule, of studies to be undertaken at some future day. Every isolated student knows how difficult it is to be initiated into the modern scholastic movement otherwise than orally; therefore, in addition to the lectures, the several instructors appoint certain hours in which the students may consult them freely. The lectures are accompanied by class work, prescribed reading, and by frequent examinations; they are strictly special, not popular.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

Courses of Instruction.

The undergraduate and graduate courses offered in the years 1911-12 and 1912-13 are as follows:

Sanskrit, Greek, and Latin.

Professors and instructors: Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Wilmer Cave Wright, Dr. George A. Barton, Dr. Tenney Frank, Dr. James Fulton Ferguson (elect), Dr. Elwood Austin Welden, Miss Abby Kirk, Dr. Cornelia Catlin Coulter, and Miss Mary Hamilton Swindler.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Elwood Austin Welden, Lecturer in French and Sanskrit.

GRADUATE COURSES.

Graduate Courses.

Lectures on Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit. *Two hours a week throughout the year.*

Whitney's *Grammar* is used and the classical selections from Lanman's *Reader* are read, followed by rapid reading in some easy text of the classical literature. Exercises in Sanskrit prose composition are prepared by the student.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Advanced Sanskrit. *One hour a week throughout the year.*

Lectures are given on the phonology and morphology of Sanskrit. The study of Lanman's *Reader* is continued and Kālidāsa'a *Çakuntalā*, Act I, is read.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-five hours of lectures and recitations a week apart from courses in Classical Archæology and New Testament Greek; it includes five hours a week of Matriculation Greek; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and five hours a week of graduate work.

Matriculation Course. A course of five hours a week throughout the year is provided for those students that wish to study Greek, and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students that wish may substitute for this course the minor, or first year's course in Latin. Either the matriculation course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

FIRST YEAR.

(Minor Course.)

1*st Semester.* *(Given in each year.)*

Major Course.

Plato, *Apology*, *Crito*, Dr. Sanders. *Two hours a week.*

Greek Prose Composition, Dr. Sanders. *One hour a week.*

Homer, *Odyssey*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1–475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1–728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, Dr. Sanders. *Two hours a week.*

Greek Prose Composition, Dr. Sanders. *One hour a week.*

Homer, *Iliad*, Dr. Wright. *Two hours a week.*

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1–1080 and 1218–1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476–961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Demosthenes, Dr. Sanders. *Two hours a week.*

Aristophanes, *Frogs*, Dr. Sanders. *One hour a week.*

History of Greek Literature, Ionio-Dorian, and Attic periods, Dr. Wright. *Two hours a week.*

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

Private reading: Æschylus, *Prometheus Vinctus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1–680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus*, ll. 1–436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

2nd Semester.

Thucydides, Dr. Sanders. *Two hours a week.*

Sophocles, *Œdipus Rex*, Dr. Sanders. *One hour a week.*

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright. *Two hours a week.*

No student is admitted to any part of the major course in Greek who has not completed all the work of the minor course.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: Æschylus, *Persæ*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; Æschylus, *Prometheus Vinctus*, ll. 437–876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Greek courses.

Group: Greek with any language, *or* with Philosophy, *or* with Ancient History, *or* with Classical Archæology, *or* with Mathematics.

Free Elective Courses.

FREE ELECTIVE COURSES.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Classical Archæology and Ancient History. See pages 136 to 138 and 151.

Post-Major Courses.

POST-MAJOR COURSES.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1911–12 the following post-major courses are offered:

1*st Semester.*

Plato, *Phædrus* and *Protagoras*, Dr. Sanders.	*Two hours a week.*
Sophocles, *Trachiniæ*, Dr. Sanders.	*One hour a week.*
Theocritus, Dr. Wright.	*Two hours a week.*

2*nd Semester.*

Melic Poets, or Euripides, *Orestes*, Dr. Sanders.	*One hour a week.*
Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing, Dr. Sanders.	*One hour a week.*
Euripides, *Heracles*, Dr. Sanders.	*One hour a week.*
Lucian, Dr. Wright.	*Two hours a week.*

In 1912–13 the following post-major courses are offered:

1*st Semester.*

Æschylus, *Oresteia*, Dr. Sanders.	*Two hours a week.*
Aristophanes, *Acharnians*, Dr. Sanders.	*One hour a week.*
Menander and Bucolic Poets, Dr. Wright.	*Two hours a week.*

2nd Semester.

Pindar and Bacchylides, Dr. Sanders.	*Two hours a week.*
Sophocles, *Electra*, or Euripides, *Electra*, Dr. Sanders.	*One hour a week.*
Herondas and Sophocles, *Ajax*, Dr. Wright.	*Two hours a week.*

In 1913–14 the following post-major courses are offered:

1st Semester.

Minor Orations of the Attic Orators, Dr. Sanders.	*Two hours a week.*
Sophocles, *Antigone*, Dr. Sanders.	*One hour a week.*
Theocritus, Dr. Wright.	*Two hours a week.*

2nd Semester.

Æschylus, *Agamemnon*, Dr. Sanders.	*One hour a week.*
Thucydides, Dr. Sanders.	*One hour a week.*
Euripides, *Bacchæ*, Dr. Sanders.	*One hour a week.*
Lucian, *Ajax*, Dr. Wright.	*Two hours a week.*

GRADUATE COURSES.

Graduate Courses.

Five hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates.

The seminary subjects in Greek are varied from year to year in two series; Attic Tragedy, Orators, and Historians, and the Homeric Question, Menander, Plato, and Aristophanes, in order that they may be pursued by a student for several consecutive years. Students electing Greek as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and vice versa, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in comparative philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see page 153.

Greek Seminary, Dr. Sanders. *Three hours a week throughout the year.*

(*Given in each year.*)

In 1911–12 the subject of the seminary is Attic Tragedy. The work of the seminary in textual criticism is devoted to the editing of Euripides's *Orestes*, while the special work is devoted to the plays bearing on the Orestes myth. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1912–13 Greek orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. The second semester will be devoted to Isocrates and the exponents of rhythmic prose. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1913–14 the main subject of the seminary will be the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

Greek Seminary, Dr. Wright. *Two hours a week throughout the year.*

(*Given in each year.*)

In 1911–12 the seminary is in Plato. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theœtetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* will be studied and criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

In 1912–13 the subject of the seminary in the first semester will be Menander. A thorough study of all the extant fragments of Menander is made with reports by the students on Menander's style, metres, text, and influence on Latin Comedy. The recent discovery of considerable remains of Menander's Comedies and the publication of the Cairo Menander (1907) have provided sufficient material to make such a course profitable to students of the Greek drama.

In the second semester the subject of the seminary is the Homeric Question, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1913–14 the subject of the seminary will be Aristophanes. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Teubner (Leipsic) or Clarendon Press (Oxford) editions are recommended.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Associate Professor of Latin, Dr. James Fulton Ferguson, Associate (elect) in Ancient History and Latin, Dr. Cornelia Catlin Coulter and Miss Mary Hamilton Swindler, Readers in Latin. The instruction offered in Latin covers twenty-four hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; eight hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

First Year.

*(Minor Course.)**

(Given in each year.)

1st Semester.

Major Course.

Cicero, *Letters*, Dr. Wheeler, Dr. Coulter, and Miss Swindler. *Two hours a week.*

Latin Prose Composition, Dr. Wheeler, Dr. Coulter, and Miss Swindler. *One hour a week.*

In 1912–13 the class will be divided into three sections which will be conducted by Dr. Wheeler, Dr. Ferguson, and Miss Swindler. Each section will be assigned to a different instructor in the second semester.

Horace, *Odes*, Dr. Frank, Dr. Coulter, and Miss Swindler. *Two hours a week.*

(May be taken as a free elective.)

In 1912–13 the class will be divided into three sections which will be conducted by Dr. Frank, Dr. Ferguson, and Miss Swindler. Each section will be assigned to a different instructor in the second semester.

Private reading: Stories from Gellius (first half) must be read by students taking the courses in Cicero and Latin Prose Composition; Sallust, *Catilina* (first half) must be read by students taking the course in Horace. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

2nd Semester.

Terence, *Phormio* and *Adelphoe*, Dr. Wheeler, Dr. Coulter, and Miss Swindler. *Two hours a week.*

Latin Prose Composition, Dr. Wheeler, Dr. Coulter, and Miss Swindler. *One hour a week.*

Horace, *Selections from the Satires and Epistles* and Vergil, *Eclogues*, Dr. Frank, Dr. Coulter, and Miss Swindler. *Two hours a week.*

(May be taken as a free elective.)

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* For regulations regarding the passing off of the Minor Latin, see footnote, page 53. Students passing off the Minor Latin course for advanced standing are not required to take the separate examinations in private reading.

Private reading: Stories from Gellius (second half) must be read by students taking the courses in Terence and Latin Prose Composition; Sallust, *Catilina* (second half) must be read by students taking the course in Horace. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

SECOND YEAR.

1*st Semester.* *(Given in each year.)*

Tacitus, *Annals*, Dr. Wheeler. *Three hours a week.*

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Lectures on Latin Literature, Dr. Frank. *Two hours a week.*

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

Private reading: Cicero, *De Senectute* (first half) must be read by students taking the course in Tacitus; Tacitus, *Agricola* (first half) must be read by students taking the course in Latin Literature. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

2*nd Semester.*

Latin Comedy, Plautus and Terence, Dr. Wheeler. *Three hours a week.*

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Three or four plays are read in class.

Lectures on Latin Literature (continued), Dr. Frank. *Two hours a week.*

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Cicero, *De Senectute* (second half) must be read by students taking the course in Latin Comedy; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Literature. Examinations on the private reading must be taken at one of two stated times during the semester by all students pursuing the Latin courses.

Group: Latin with any language, *or* with Classical Archæology, *or* with Ancient History, *or* with Mathematics.

FREE ELECTIVE COURSE.

Lectures on Roman Life, Dr. Frank. *One hour a week throughout the year.*

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1911–12 and again in 1913–14 the following post-major courses are offered:

1*st Semester.*

Roman Satire, its Origin and Development, Dr. Wheeler.

Two hours a week.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare at least one paper on an assigned topic in each semester.

Lectures on Roman History, Dr. Frank. *Three hours a week.*

Collateral reading is assigned from the Latin sources and independent reports on special topics are required.

Advanced Latin Prose Composition, Dr. Frank. *One hour a week.*

This course was given by Dr. Coulter in 1911–12.

Lucretius, Dr. Coulter. *Two hours a week.*

The first three books of the *De Rerum Natura* and selections from the remaining books are studied.

2*nd Semester.*

Roman Satire (continued), Dr. Wheeler. *Two hours a week.*

Cicero and Cæsar, Dr. Frank. *Three hours a week.*

An effort will be made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Advanced Latin Prose Composition (continued), Dr. Frank.

One hour a week.

This course was given by Dr. Coulter in 1911–12.

Latin Comedy, Plautus and Terence, Dr. Coulter. *Two hours a week.*

Several plays of Plautus and Terence are read, and reports on topics connected with the plays are presented in class.

In 1912–13 and again in 1914–15 the following post-major courses are offered:

1*st Semester.*

Roman Elegy, its Origin and Development, Dr. Wheeler.

Two hours a week.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Frank. *Three hours a week.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the *Eclogues* and *Pseudo-Vergiliana* are read and discussed.

Advanced Latin Prose Composition, Dr. Frank. *One hour a week.*

The Roman Empire from Trajan to Diocletian, Dr. Ferguson. *Two hours a week.*

This course is a study of the period of greatest prosperity of the empire, its decline and the break up of the Roman nation, the beginnings of German migrations, the attempts to form independent nations, and the reorganisation under Diocletian. The course will consist largely of research on the part of the student.

2nd Semester.

Roman Elegy (continued), Dr. Wheeler. *Two hours a week.*

Roman Prose of the Empire, Dr. Frank. *Three hours a week.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius and Minucius Felix will be read.

Advanced Latin Prose Composition (continued), Dr. Frank. *One hour a week.*

The Roman Empire from Trajan to Diocletian, Dr. Ferguson (continued). *Two hours a week.*

GRADUATE COURSES.

raduate ourses. Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to eight hours a week may be elected by graduates.

The graduate work in Latin is conducted according to the seminary method and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in two series, Roman Comedy, Lyric Poetry and Elegy, and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as part of the work for the degree of Doctor of Philosophy are required to offer with each three hour seminary a two hour seminary and vice versa, so as to make up five hours of seminary work, but both seminaries need not be taken in the same year. Such students are recommended to attend the Journal Club. Three five hour courses are required of students who offer Latin as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Latin is the only minor subject offered and one five hour course when two minors are offered. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler. *Three hours a week throughout the year.*

(Given in each year.)

In 1911–12 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus, Tibullus, and Propertius edited respectively by Ellis, Postgate, and Phillimore, 1906.

In 1912–13 the subject of the seminary will be Latin Comedy. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903–04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1888–1901, and by Lorenz, Berlin, Weidmann, 1876–86, and the plays of Terence, annotated by Dziatzko (revised by Hauler,) 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905, Weidmann, are also recommended. *P. Terenti Afri Commœdiæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1913–14 the subject of the seminary will be the Roman Lyric in the Period of the Republic. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

Latin Seminary, Dr. Frank. *Two hours a week throughout the year.*

(Given in each year.)

In 1911–12 selected topics in Roman Literature are studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose, special attention being paid to the relation of the literature to historical events and native influences. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1912–13 Roman History from the sources is the subject of the seminary. The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course consists largely of research work on the part of the student.

In 1913–14 the work of the seminary will be Latin Epigraphy and Paleography. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

Latin Journal Club, Dr. Wheeler and Dr. Frank.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Dr. Albert Schinz,* Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown,* Dr. Richard

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* Granted leave of absence for the year 1911–12.

Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Alfred Horatio Upham, Dr. Agathe Lasch, Mr. Samuel Arthur King, Dr. Samuel Moore, Dr. Ellwood Austin Welden, M. Louis Cons, Dr. Regina Katharine Crandall,* Miss Georgiana Goddard King,* Dr. Emma Haeberli, Miss Mary Jeffers, Miss Edna Aston Shearer, Miss Margaret Grace Skinner, Miss Beatrice Daw, Miss Helen Estabrook Sandison, Miss Mary Ruth George, and Miss Amelia Elizabeth White.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown,* Professor of English Philology, Dr. Orie Latham Hatcher, Associate in Comparative Literature and Elizabethan Literature, Dr. Alfred Horatio Upham, Associate Professor of English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Samuel Moore, Lecturer in English Philology, Dr. Regina Katharine Crandall,* Miss Georgiana Goddard King,* Miss Edna Aston Shearer, Miss Margaret Grace Skinner, Miss Beatrice Daw, Miss Helen Estabrook Sandison, Miss Mary Ruth George and Miss Amelia Elizabeth White, Readers in English, and Miss Ida Langdon, Reader (elect) in English. The instruction offered in English covers forty-four hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with comparative literature, or as a free elective; six hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Anglo-Saxon, and Early and Middle English, and Elizabethan Literature.

Required Course.

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition and rhetoric is connected with the lectures on literature and language and may not be elected separately.

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* Granted leave of absence for the year 1911–12.

FIRST YEAR.

1st Semester. *(Given in each year.)*

Lectures on the history of the English language and Anglo-Saxon literature, with an introduction into the study of early Teutonic literature and mythology, Miss Donnelly. *Three hours a week.*

The Principles of Articulation, Mr. King. *One hour a fortnight.*

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Skinner, Miss Daw, Miss Sandison, Miss White.

One and a half hours a week.

The lectures on the history of the English language and the course in English composition and rhetoric may not be elected separately. The work in English composition consists of five short papers each week on subjects drawn from the student's personal experience, and one longer paper each fortnight on a subject drawn from the lectures on the history of the English language and literature. In the rhetoric course the principles of English composition are studied and their practice taught in the papers written by the students. A written examination is held on the work in English composition and rhetoric at the end of the semester. Written examinations on the lectures are held from time to time during the semester and credit is given for the style and structure of the papers.

2nd Semester.

Lectures on the history of English literature to the death of Spenser, inclusive, with an introduction into the study of mediæval literature, Miss Donnelly. *Three hours a week.*

The Principles of Articulation (continued), Mr. King. *One hour a fortnight.*

English Composition and Rhetoric, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Skinner, Miss Daw, Miss Sandison, Miss White.

One and a half hours a week.

The lectures on the history of English literature and the course in English composition and rhetoric may not be elected separately. The work of the second semester is divided into two parts. The first part exactly continues the arrangement of the first semester; in the second part the work consists of one short paper each fortnight on a subject drawn from the student's personal experience and two long papers on a subject drawn from the lectures. In the rhetoric course the principles of English composition are studied throughout the semester and their practice taught in the papers written by the students. A written examination on the work in English composition and rhetoric is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and credit is given for the style and structure of the papers.

Second Year.

1st Semester. *(Given in each year.)*

Lectures on the history of English literature from the death of Spenser to the Restoration, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly. *Three hours a week.*

The Sonant Properties of Speech, Mr. King. *One hour a fortnight.*

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

English Composition, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Skinner, Miss Daw, Miss Sandison. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The course in English composition consists of one short paper each week on a subject drawn from the student's personal experience, two argumentative papers, and one critical paper on a subject drawn from the lectures on the history of English literature. A written examination on the work in English composition is held at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

2nd Semester.

Lectures on the history of English literature from the Restoration to the present time, Miss Donnelly. *Three hours a week.*

The Sonant Properties of Speech (continued), Mr. King. *One hour a fortnight.*

English Composition, Miss Donnelly, Dr. Crandall, Miss Shearer, Miss Skinner, Miss Daw, Miss Sandison. *One and a half hours a week.*

The lectures on the history of English literature and the course in English composition may not be elected separately. The work of the semester in English composition consists of one short paper each week on a subject drawn from the student's personal experience, one twenty-four page critical paper on an author chosen by the student with the approval of her instructor, and two shorter so-called imitative papers during the writing of which the principles of imitative writing are discussed in the lectures. A written examination is held on the work at the end of each semester. Written examinations on the lectures on the history of English literature are held from time to time during the semester and at the end of each semester and credit is given for the style and structure of the papers.

Major Course. The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses, and is intended for graduate students or for those undergraduate students who are anxious to specialise in English. Any of the courses, except the courses in English Poetry from Donne to Milton, in Classical and Romantic Prose, and in Middle English Poetry and Chaucer, may be taken separately as free electives by students that have completed the required course. Students wishing to specialise in language may substitute the course in Middle

English Romances or the courses in Middle English Poetry and Chaucer for the course in Classical and Romantic Prose, and the course in Anglo-Saxon for either the course in English Poetry from 1780 to 1832 or the course in English Poetry from Donne to Milton, but all students taking a major course in English must take either the course in Anglo-Saxon or the course in Middle English Romances, or the courses in Middle English Poetry and Chaucer.

FIRST YEAR.

Minor Course. (Literature.)

English Critics of the Nineteenth Century, Dr. Upham.

Three hours a week throughout the year.

(Given in each year.)

Certain English essayists of the nineteenth century are studied with particular regard to their theories of criticism. In the first semester the authors usually chosen are Carlyle, Newman, and Matthew Arnold; in the second semester Ruskin, Pater, and Swinburne are discussed. Occasional short reports and one long paper in each semester, and one long essay must be prepared by the students attending the course.

English Poetry from 1780 to 1832, Miss Donnelly.

Two hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

This course consists of a detailed study of the poetry of Wordsworth, Coleridge, Byron, Shelley, Keats, and Landor. The course in Anglo-Saxon may be substituted for this course if desired.

Minor Course. (Language.)

Anglo-Saxon, Dr. Brown. *Two hours a week throughout the year.*

(Given in each year.)

The first semester is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader.* In the second semester after reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class.

Middle English Romances, Dr. Brown. *Three hours a week throughout the year.*

(*Given in* 1912–13 *and again in* 1914–15.)

Selected romances are read by the members of the class. The lectures treat the development of romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle. The course in Classical and Romantic Prose or the courses in Middle English Poetry and Chaucer may be substituted for this course if desired.

SECOND YEAR.

(Literature.)

Classical and Romantic Prose, Dr. Upham.

Three hours a week throughout the year.

(Given in each year.)

Three general subjects are considered in the course: the theories of classical criticism studied in the work of Dr. Johnson; the transition in critical thought represented in Edmund

Burke; and modern criticism of Shakespeare with particular attention to the writings of Coleridge, Lamb, Hazlitt, and De Quincey. Class-room discussion is encouraged and various reports are required.

English Drama, Miss Donnelly. *Two hours a week throughout the year.*

(*Given in* 1911–12.)

This course is intended to give students that have completed the required course in English a more intimate knowledge of the later Elizabethan and the Jacobean drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare, Middleton, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures. This course is open only to those students who are taking the English group. The course in English Poetry from 1780 to 1832 or the course in Anglo-Saxon may be substituted for this course if desired.

English Poetry from Donne to Milton, Miss Donnelly.

Two hours a week throughout the year.

(*Given in* 1913–14 *and again in* 1915–16.)

In the first semester the minor poets of the seventeenth century will be studied with special stress on Donne and the Metaphysical School, and Herrick. The second semester will be devoted entirely to Milton and a critical study made of his style. The course in English Poetry from 1780 to 1832 or the course in Anglo-Saxon may be substituted for this course if desired.

(*Language.*)

Middle English Poetry, Dr. Brown. *Three hours a week during the first semester.*

(*Given in* 1911–12 *and again in* 1913–14.)

The purpose of the course is to give the student a direct acquaintance with some of the more important pieces of Middle English verse. Selections are read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Laurence Minot, Robert of Brunne's *Handlyng Synne*, and Langland's *Vision of Piers Plowman. The Owl and the Nightingale* and *Pearl* will be read in full. In connection with the reading of these texts lectures are given on the development of the language and literature during the Middle English period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently. This course is open only to those students who are taking or have taken at least one other course in English in addition to the required courses. The course in Classical and Romantic Prose or the course in Middle English Romances may be substituted for this course and the course on Chaucer if desired. This course was given by Dr. Moore in 1911–12.

Chaucer, Dr. Brown. *Three hours a week during the second semester.*

(*Given in* 1911–12 *and again in* 1913–14.)

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde.* The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. It is desirable that this course should be preceded by the course in Middle English Poetry. This course is open only to those students who are taking at least one other course in English in addition to the required courses. This course was given by Dr. Moore in 1911–12.

The course in Classical and Romantic Prose or the course in Middle English Romances may be substituted for this course if desired.

Group: English with any language, *or* English with comparative literature, *or* English with philosophy.

FREE ELECTIVE COURSES.

Free Elective Courses.

Descriptive and Narrative Writing, Miss Donnelly.

Two hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1912–13.)

This course consists of lectures on the theory and practice of description and on the style and methods of the best modern writers of short stories, both English and French. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition. This course was given by Miss George in the second semester of 1911–12.

Argumentation, Miss Shearer.

Two hours a week throughout the year.

(*Given in each year.*)

In the first semester the course takes up the technique of Argumentation, and in the second semester establishes the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition. The course is open to students who have obtained the grade of merit in two semesters, or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Theory and Practice of Verse Composition, Miss King.

Two hours a week throughout the year.

(*Given in* 1912–13.)

This course is not historical but theoretical and practical. The lectures deal with the theory of poetry, the difference between poetry and prose and the laws of verse in English. Students are required to write short exercises in verse every week. The course is open to students who have obtained the grade of merit in two semesters or of credit in one semester of the required course in English Composition, but no student may take this course at the same time that she is taking another course in English Composition.

Imitative Writing, Miss King.

Two hours a week throughout the year.

(*Given in* 1913–14.)

This course consists of a study of the formation of style by the method of imitation. The lectures deal with the elements and the psychology of style, and as far as may be necessary, with the authors selected for imitation. In 1913–14 these will be writers of the seventeenth century.

Victorian Poets, Miss King.

Two hours a week throughout the year.

(*Given in* 1913–14.)

The works of Tennyson, Arnold, and Browning are studied in the first semester and in the second semester those of Morris, Rossetti, Swinburne, and George Meredith. The course is open only to those students who have completed the two years' required course in English.

General Reading of Prose Authors, Mr. King.

One hour a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

This course is open only to those students who have attended the lectures in English diction given in the general course.

Reading of Shakespeare, Mr. King.

One hour a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

GRADUATE COURSES.

Graduate Courses.

Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of English, accompanied by the direction of private reading and original research, and the courses are varied from year to year, so that they may be pursued by students through three or more consecutive years. The graduate lectures offered in the department of Comparative Literature are also recommended to the attention of students of English. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the major or third and fourth year courses of the department amounting to ten hours a week may be elected by graduate students. There are offered each year three graduate seminaries in English literature, and one in English language. The graduate seminaries in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English group; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English group.

Students who choose English as the chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and, if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the English Composition in the required English course.

Seminary in Middle English, Dr. Brown.

Three hours a week throughout the year.

(Given in each year.)

In 1911–12 the seminary undertakes the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary. The seminary was conducted by Dr. Moore in 1911–12.

In 1912–13 the beginnings of English Drama are the subject of the seminary. Though the cycles of the mystery plays are considered in general, the larger part of the time is devoted to the study of the English morality plays. Particular attention is given to the connection between the moralities and the didactic treatises and the debates. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

In 1913-14 the subject is the Middle English Romances. All the romances represented in the Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of various elements in individual romances are undertaken from time to time by the members of the seminary.

Cynewulf and Cædmon, Dr. Brown.

Two hours a week throughout the year.

(*Given in* 1911-12 *and again in* 1913-14.)

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given furnishing an introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent. This course was offered by Dr. Moore in 1911-12.

Beowulf, Dr. Brown.

Two hours a week throughout the year.

(*Given in* 1912-13 *and again in* 1914-15.)

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon or its equivalent.

English Historical Grammar, Dr. Brown.

Two hours a week throughout the year.

(*Given in* 1912-13 *and again in* 1914-15.)

In this course the development of the English language is traced from the earliest times. After an outline of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Seminary in English Literature, Miss Donnelly.

Two hours a week throughout the year.

(*Given in each year.*)

In 1911-12 Shelley and Byron are studied. Special attention is given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

In 1912-13 Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1913-14 Milton, Sir Thomas Browne, and Jeremy Taylor will be studied in their relation to the development of English prose in the seventeenth century.

Seminary in English Literature, Dr. Upham.

Three hours a week throughout the year.

(*Given in each year.*)

The seminary in 1911-12 deals with the various phases of English sentimentalism in their relation to continental activities. After tracing the earlier development of the sentimental spirit, a thorough study will be made of the manifestations of this spirit in eighteenth century novel and drama. Particular attention will be given to the bearing of sentimentalism on the beginnings of the romantic movement, and special studies will be made of literary relationships.

In 1912-13 the seminary will be devoted to studies in the later romantic movement in England, including the period of its diffusion. Emphasis will be placed upon such matters as the Italian and Spanish revival, the new interest in Hellenism, the Tractarian movement in the church, and the various ideals of art represented in the Pre-Raphaelite Brotherhood. Extensive studies in these lines during the first semester will prepare for special investigations later.

In 1913–14 the seminary will be concerned with the literary and critical activity of the mid-eighteenth century, centering in Dr. Johnson and his circle. Representative works of the period are read and discussed, and particular attention is directed to such matters as the coterie spirit, the influence of periodical literature, the relations of author and public, the breaking down of classical standards, and the rise of romanticism in England and abroad.

Modern Literary Criticism, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

This course is offered in the department of Comparative Literature and a description of it will be found on page 130.

Literary Criticism through the Renaissance, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1913–14 *and again in* 1915–16.)

This course is offered in the department of Comparative Literature and a description of it will be found on page 130.

Seminary in Elizabethan Drama, Dr. Hatcher.

Three hours a week throughout the year.

(*Given in each year.*)

In 1911–12 English drama from 1558 to 1642 is studied, as the chief literary expression of the period. The conditions of its origin and continued production, its nature, extent, variety, development, and decadence are discussed and a reasonable proportion of the extant plays of the period are read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

Shakespeare will be the subject of the seminary in 1912–13. In the first semester as detailed a review as is practicable is made of the results of Shakespearian scholarship as regards critical problems of biography, authorship, chronology and source material of the plays, a comparison of varying versions of separate plays, the influence of earlier and contemporary dramatists, etc. Dramatic records relating to Shakespeare are also examined at first hand and evidences of his participation in the general dramatic activities of his time noted. In the second semester students are given individual problems for investigation.

In 1913–14 Spenser will be studied in the light of Mediæval and Renaissance culture. The subjects taken up are the inspiration, models, and sources of Spenser's poetry; the many influences working upon him, and those emanating from him, as shown in the significant blending of classical, mediæval, and Renaissance tendencies in his poetry, and his initiative in solving the literary problems of his time. In the first semester all the works of Spenser are read and the results of Spenserian research examined. The second semester is devoted largely to the investigation by each student of some special problem.

English Journal Club, Dr. Brown, Miss Donnelly, Dr. Upham, Dr. Hatcher, and Dr. Moore.

One and a half hours a fortnight throughout the year.

(*Given in each year.*)

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch, Associate in Teutonic Philology, Miss Mary Jeffers, Reader in Elementary German, and Miss Bertha Sophie Ehlers, Reader (elect) in Elementary German. The instruction offered in German covers twenty-nine hours of lectures and recitations a week; it includes five hours a week of matriculation German; ten hours a week of undergraduate major and minor work; four hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in German, and ten hours a week of graduate work in modern German literature and in Teutonic philology.

Matriculation Course.

A class for beginners in German, under the direction of Miss Mary Jeffers, five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include German may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in German.

Major Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Lectures on the History of German Literature from the period of Romanticism to the present time, Dr. Jessen. *Two hours a week throughout the year.*

These lectures are delivered in German and discuss the masterpieces of German literature in the nineteenth century. Weicher's *Deutsche Litteraturgeschichte* is recommended for reference.

This course is open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Grillparzer, *Sappho*, and Freytag, *Die Journalisten*, must be read by students taking the course in the first semester; Hebbel, *Agnes Bernauer*, and Sudermann, *Die Heimat*, must be read by students taking the course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Critical Reading of Modern German Authors, Dr. Lasch.

One hour a week throughout the year.

German Grammar and Prose Composition, Dr. Lasch.

Two hours a week throughout the year.

The course in critical reading consists of translations of modern German prose and verse. Selections from Goethe's *Wahrheit und Dichtung* are used in the first semester and Goethe's *Iphigenie* and *Tasso* in the second semester. For translation of English into German, Whitney and Stroeoe's *Advanced German Composition* (Holt & Co.) and Ruskin's *Praeterita* are used. German grammar is carefully reviewed in Thomas's *Practical German Grammar* (Holt & Co.).

The course in Critical Reading and the course in Grammar and Prose Composition may not be elected separately, and the examination in these subjects may not be divided. The courses are open as a free elective to all students that have passed the matriculation examination in German.

Private reading: Schiller, *Wallenstein* (Henry Holt & Co., New York), must be read by students taking the courses in the first semester; Goethe, *Hermann und Dorothea*, and Schiller, *Braut v. Messina*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

The advanced standing examinations, or examinations taken without attending the college classes, in the reading and grammar of the minor, three hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies these courses must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

(Given in each year.)

Lectures on the History of German Literature from Luther to the Romantic School, Dr. Jessen.

Two hours a week throughout the year.

These lectures are delivered in German and discuss the great classical authors, as well as the most modern poets and novelists.

Private reading: Goethe, *Italienische Reise*, and Lessing, *Nathan der Weise*, must be read by students taking the course in the first semester; Freussen's *Jöhn Ohl* and Nietzsche's *Zarathustra*, must be read by students taking the courses in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

Faust-Legend and similar legends in mediæval and modern literature; Goethe, *Faust* (*1st* and *2nd parts*), Dr. Jessen.

Two hours a week throughout the year.

The course aims to be a comparative study of an interesting group of literary products of both mediæval and modern literature. Starting with the comparative history of such Faustlike legends in mediæval literature as those of Theophilus and Cyprian, up to Calderon's *Il magico prodigioso*, the Faust-Legend in its many pre-eminently English and German ramifications, will be taken up, including especially Marlowe's *Doctor Faustus*. Goethe's *Faust* will be the centre of comparative study, showing what in it is due to Rousseauism, to Romanticism, and to other currents of thought. Faustlike literature, especially German and English, of a later date, as far as it is of literary importance will bring the consideration as far up to date as possible. The course will consist of lectures, reports and readings, and will be given in English. It may be counted as part of the major course in comparative literature.

The private reading will be announced later.

German Prose Composition and Reading, Dr. Lasch.

One hour a week throughout the year.

In this course the students translate selected passages of difficult English prose into German. Treitschke, *Kleine Schriften* will be translated into English.

The course in German literature and the course in Prose Composition and Reading may not be elected separately, and the examination in these subjects may not be divided.

Private reading: Sudermann's *Johannes*, must be read by students taking this course in the first semester; Goethe's *Egmont*, must be read by students taking this course in the second semester. Examinations on the private reading must be taken at one of two stated times during the semester for which the reading is assigned by all students pursuing the German courses.

An advanced standing examination, or an examination taken without attending the college class, in the prose composition of the major, one hour a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under German governesses the necessary advanced knowledge, and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination on the private reading that accompanies this course must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: German with any language *or* with Comparative Literature.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Lectures on the History of German Literature from the Romantic School till 1850, Dr. Jessen. *Two hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland:* the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Literature from 1850 to the Present Time, Dr. Jessen.

Two hours a week during the first semester.

(*Given in* 1912–13 *and again in* 1914–15.)

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, as well as of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the Present Time (continued), Dr. Jessen. *Two hours a week during the second semester.*

(*Given in* 1912–13 *and again in* 1914–15.)

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature;

modern German realism and naturalism, as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig, and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

Advanced Critical Reading, Dr. Jessen. *One hour a week throughout the year.*

(*Given in each year.*)

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Elementary Middle High German, Dr. Lasch.

One hour a week throughout the year.

(*Given in each year.*)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

GRADUATE COURSES.

Graduate Courses.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Teutonic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department, amounting to four hours a week, may be elected by graduate students.

The graduate courses offered in German Philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are varied so that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or minor for the degree of Doctor of Philosophy.

Seminary in German Literature, Dr. Jessen.

Two hours a week throughout the year.

(*Given in each year.*)

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1911–12 subjects for study are chosen from the life and works of Kleist, Lenau, Heine, Grillparzer, Platen, and Droste-Hülshoff.

In 1912–13 topics will be selected from the German Romanticists.

In 1913–14 Goethe and Schiller will be studied in their personal, literary, and critical relations.

German Literary Criticism, Dr. Jessen.

One hour a week during the first semester.

(*Given in* 1911–12 *and again in* 1913–14.)

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative in character, and French and English literary criticism are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are studied. A good reading knowledge of French and German is required.

The German Essay, Dr. Jessen. *One hour a week during the second semester*

(*Given in* 1911–12 *and again in* 1913–14.)

The history of the essay in German literature is studied, and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed; the influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is investigated. Incidentally questions touching on the evolution of modern German prose style are dealt with.

German Metrics, Dr. Jessen. *One hour a week during the first semester.*

(*Given in* 1912–13 *and again in* 1914–15.)

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics, Dr. Jessen. *One hour a week during the second semester.*

(*Given in* 1912–13 *and again in* 1914–15.)

Lectures will be given on *Deutsche Poetik* and *Stilistik.*

Goethe's *Faust*, Dr. Jessen. *Two hours a week throughout the year.*

(*Given in each year when the time of the department permits.*)

This course is intended as an introduction to the problems of *Faustphilologie*, dealing with both the first and second parts.

German Journal Club, Dr. Jessen and Dr. Lasch.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment and criticism.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate in Teutonic Philology. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and the study of general comparative philology.

The course in introduction to the study of Teutonic philology, Gothic and Middle High German grammar (first year course,) are designed for students in their first year of graduate study in Teutonic languages and the remaining courses for students in their second or third year. The courses given in each year will be planned to meet the needs of the graduate students.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

(*Given in each year.*)

Graduate Courses.

Introduction to the Study of Teutonic Philology, Dr. Lasch. *One hour a week throughout the year.*

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as those of the relationship of dialects and the consistency of phonetic laws; a brief history of Teutonic philology, and finally the outlines of general phonetics.

Gothic, Dr. Lasch. *Two hours a week throughout the year.*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Braune's *Gotische Grammatik* (7th ed., Halle, 1909); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die Gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts (first-year course), Dr. Lasch. *Two hours a week throughout the year.*

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Hartmann's *Armer Heinrich* is read, and is followed by selections from classical Middle High German poets and from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (7th ed., Halle, 1908), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900).

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Old High German, Dr. Lasch. *Two hours a week throughout the year.*

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Middle High German (second-year course), Dr. Lasch.

One hour a week throughout the year.

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos*, and the second semester to *Minnesangs Frühling* and Walther von der Vogelweide.

Old Saxon, Dr. Lasch.

Two hours a week during the second semester.

The work presupposes on the part of the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900); the *Heliand* (in Sievers's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used. The reading is supplemented by a discussion of the West Germanic alliterative verse.

Old Norse, Dr. Lasch.

Two hours a week during the second semester.

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects. Among the texts read, selections from the younger and the older *Eddas* take a prominent place.

The books used are Kahle's *Altisländisches Elementarbuch* (Heidelberg, 1900) and some of the Islendinga sögur (*Altnordische Saga-Bibliothek*) and Hildebrand's *Edda* (2nd ed., Paderborn, 1904).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar, Dr. Lasch.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

History of Modern High German, Dr. Lasch.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Teutonic Seminary, Dr. Lasch.

One hour a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1911–12 and again in 1914–15 Old High German texts such as *Merseburger* and *Trierer Zaubersprüche*, *Muspilli*, and *Hildebrandslied* are studied. The many problems that these texts offer and the various attempts to solve them are discussed.

In 1912–13 the first semester will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. In the second semester Old Saxon texts (*Heliand* and *Genesis*) will be studied.

In 1913–14 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

French.

The instruction in this department is under the direction of Dr. Albert Schinz,* Professor of French Literature, Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Dr. Elwood Austin Welden, Lecturer in French and Sanskrit, M. Louis Cons, Lecturer in French, and Dr. Emma Haeberli, Reader in Elementary French, and Miss Marie Hopp, Reader (elect) in French.

The instruction offered in French covers thirty-three hours of lectures and recitations a week; it includes five hours a week of matriculation French; ten hours a week of undergraduate major and minor work; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; and thirteen hours a week of graduate work in modern French literature and in Old French literature and language.

Matriculation Course. A class for beginners in French five hours a week throughout the year, is provided, in order that those students whose matriculation examination did not include French may with less difficulty obtain the reading knowledge of it that they must possess before receiving a degree. By great diligence such students may acquire sufficient knowledge to be admitted should they desire it, into the first year of the major course in French. This course is given by Dr. Haeberli under the direction of Dr. Schinz.

Major Course. Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject. All the courses in French are conducted in the French language.

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* Granted leave of absence for the year 1911–12.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Lectures on the history of French Literature of the eighteenth century, accompanied by collateral readings from representative French authors, M. Cons. *Three hours a week throughout the year.*

These lectures are delivered in French, and students are expected to take notes and answer questions in French. The aim of the course is to train the students to follow lectures in French as well as to acquaint them with the main features of eighteenth century literature. This course was given in 1911–12 by Dr. Welden.

Private reading: Lesage, *Gil Blas* (Heath, Boston); Montesquieu, *Esprit des lois*, selected chapters; Marivaux, *Les fausses confidences* (Macmillan), must be read by students taking the course in the first semester. Voltaire, *Zaire* (Scott, Foresman Co., Chicago); Buffon, *Morceaux choisis* (edition Hémardinquer, Librairie Delagrave), selected passages; Bernardin de St. Pierre, *Paul et Virginie* (Holt & Co., New York), must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at one of two stated times during the semester for which the reading is assigned.

Critical Readings in French prose and poetry. Practical Exercises in French Syntax and Composition, Dr. Schinz.

Two hours a week throughout the year.

The class is conducted in French, and students are expected to take notes and to answer questions in French. This course was given in 1911-12 by M. Cons.

Private reading: Balzac, *Les Chouans*, must be read by students taking the course in the first semester; de Vigny, *Grandeur et Servitude Militaire* must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at one of two stated times during the semester for which the reading is assigned.

The advanced standing examinations, or examinations taken without attendance on the college classes, in the reading and composition of the minor, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence that they have obtained before entering the college, by regular and systematic study, or by residence abroad or work under French governesses the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry) into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles*, *id.* (the first two volumes), or Schinz's *Selections from Victor Hugo* (Heath, Boston), will give an idea of the kind of translation required. The examination in composition will as a rule consist in translating a few detached sentences of every-day idiomatic English, such as may be found in Sweet's *Primer of Spoken English*, or the German edition of it (*Elementarbuch des Gesprochenen Englisch*. Oxford, Clarendon Press), or Chardenal's *French Exercises for Advanced Pupils* (Allyn and Bacon, Boston). The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

SECOND YEAR.

(*Given in each year.*)

Lectures on the history of French Literature from the earliest times to the end of the seventeenth century, accompanied by collateral reading, Dr. Schinz. *Three hours a week throughout the year.*

These lectures are delivered in French. The collateral reading in connection with the lectures, on which examinations are held at stated intervals, consists, for the period preceding the seventeenth century, of passages chosen from such works as Gautier's *Epopées Françaises* or Petit de Julleville's *Histoire du Théâtre en France;* and for the seventeenth century of selections from the leading authors of the time. Malherbe, Boileau, Corneille, Racine, Molière, La Fontaine, Descartes, Pascal, La Rochefoucauld, Mme. de Sévigné, the great pulpit orators, and others, find a place in the course. During the first semester a number of selections from sixteenth century writers are also read in class, one hour out of the three being specially devoted to this purpose. The course was given in 1911–12 by M. Cons.

Private reading: *Chanson de Roland* (*traduction Gautier*), and Bédier, *Tristan et Iseut*, must be read by students taking the course in the first semester; Corneille, *Le Cid, Cinna;* Racine, *Andromaque, Athalie;* Molière, *Tartuffe* and *Le Misanthrope;* Boileau, *Art Poétique* (*Chant I*), Pascal, *Lettre Provinciale, V;* Bossuet, *Oraison funèbre de Condé* must be read by students taking the course in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at one of two stated times during the semester for which the reading is assigned.

Studies in French Style, Composition, etc., M. Cons.

One hour a week throughout the year.

Critical Readings and Studies in Classical French Comedy, M. Cons.

One hour a week throughout the year.

Molière, *Théâtre Choisi* (ed. Thirion, Hachette, Paris) is used in both semesters. The course was given in 1911-12 by Dr. Welden.

The two one-hour courses given by M. Cons may not be elected separately.

Private reading: Corneille, *Le Menteur* (ed. P. de Julleville, Hachette, Paris) Racine, *Les Plaideurs* (ed. G. Lanson, Hachette, Paris), Molière, *Théâtre Choisi* (ed. Thirion, Hachette, Paris), *Le Marriage Forcé, Le Médecin Malgré lui,* and *Les Fourberies de Scapin*, must be read by students taking the courses in the first semester; Molière, *Théâtre Choisi, L'Avare;* Regnard, *Scènes Choisies* par Charles Boudhors (Hachette, Paris) *Le Joueur* and *Les Folies Amoureuses;* Lesage, *Turcaret* (ed. by Kerr, O. C., Heath, Boston), must be read by students taking the courses in the second semester. Examinations on the private reading must be taken by all students pursuing the French courses at one of two stated times during the semester for which the reading is assigned.

The advanced standing examinations or examinations taken without attendance on the college classes in the reading and composition of the major, two hours a week for two semesters, may be taken by those students only who are able to submit satisfactory evidence, that they have obtained before entering the college by regular and systematic study, or by residence abroad or work under French governesses, the necessary advanced knowledge and are able to pass the examination in the first three weeks after entering the college. Failure to pass at the first trial will disqualify from further trials. The examination in translation will consist of sight translation from French (usually poetry), into English. V. Hugo's *Les Châtiments* (Hachette, Paris), *La Légende des Siècles, id.* (the first two volumes), or Warren's *Selections from Victor Hugo* (Holt, New York) will give an idea of the kind of translation required. More difficult passages will be selected than for the minor advanced standing examination. The composition consists of one or two pieces of connected English, taken from such books as Stevenson's *Treasure Island*, Jerome K. Jerome's *Idle Thoughts of an Idle Fellow*. No specific question on French grammar is asked; students are expected to show their knowledge of grammar in the composition. Cameron's *The Elements of French Composition* (Holt, New York), and Storm's *French Dialogues* (Macmillan, London) will be found useful in composition work. The private reading examinations must be taken not later than the third semester after that in which the advanced standing examination is offered.

Group: French with Italian and Spanish, *or* with any language, *or* with Modern European History, *or* with History of Art.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

The short story (*nouvelle*) in the nineteenth century, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Flaubert, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, and others. This course was given in 1911–12 by M. Cons.

French Lyric Poetry of the nineteenth century, Dr. Schinz.

Two hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

Women Writers of the Renaissance, M. Cons.

Two hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

The course deals with the importance and influence of Louise Labbé and the School of Lyons; the three Marguerites: Marguerite de Navarre, Marguerite de France, Marguerite de Valois.

Women Writers of the Seventeenth Century, M. Cons.

Two hours a week throughout the year.

(*Given in* 1913–14 *and again in* 1915–16.)

The writers studied are Madame de Rambouillet, Mlle. de Scudéry, Jacqueline Pascal, Madame de La Fayette, Madame de Sévigné, Madame de Maintenon, Madame de Guyon, Madame Dacier and others.

Teachers' Course in French Phonetics, M. Cons.

One hour a week throughout the year.

(*Given in* 1913–14 *and in each succeeding year.*)

This course is designed especially for students who intend to teach French but is open also to other students. Its object is to teach the theory and practice of French phonetics, not only to correct the student's own errors of pronunciation, but also to train the ear to detect and identify those of others. The methods employed include lectures on the physiological and phonetical aspects of the subject, exercises in reading graded passages of prose and verse, and practice with special phonograph records to master the cadence of French diction.

French Drama of the Nineteenth Century, Dr. Welden.

Two hours a week throughout the year.

(*Given in* 1911–12.)

The lectures deal with the origin and development of the drama in the works of Victor Hugo, Alexandre Dumas père, and Alfred de Vigny, and for the latter part of the century Richepin and Edmond Rostand are discussed.

GRADUATE COURSES.

Graduate Courses. Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major courses of the department amounting to four or five hours a week may be elected by graduate students. Graduate students interested in the study of literature will also find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

There are offered each year three distinct graduate courses in French, two in literature and one in language, and these courses are varied so that they may be followed by graduate students throughout three years, and cover the work required of students who offer French language or literature as a major or minor for the degree of Doctor of Philosophy.

Literature. Seminary in French Literature, Dr. Schinz.

Three hours a week throughout the year.

(*Given in each year.*)

In 1912–13 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch will be discussed. A special study will be made of Montaigne's style and of the *Apologie de Raymond de Sebonde.*

In 1913–14 Rousseau is the subject of the seminary. In the first semester, after a discussion of his life, a study is made of the *Confessions*, *Réveries*, and *Correspondance.* Special attention is paid to the controversy *Confessions* versus *Mémoires d'Epinay*, transformed by the discoveries of Mrs. MacDonald. The questions of Rousseau's insanity and suicide are discussed. The second semester is devoted chiefly to the study of Texte's *Jean Jacques Rousseau et le cosmopolitisme littéraire.* The *Lettre à d'Alembert* and the *Nouvelle Héloise* serve as a text to this theory.

In 1914–15 the subject of the seminary is Victor Hugo. The seminary deals with his lyrical works. The following subjects are treated: Victor Hugo as a Royalist and Catholic poet; his indebtedness to Chateaubriand, Sainte-Beuve, Nodier and other contemporaries; his attitude towards Napoleon I., the Republic of 1848 and Napoleon III.; and his social, political and religious ideas in the period of his maturity and of his old age.

Seminary in French Language and Literature, M. Cons.

Two hours a week throughout the year.

(*Given in each year.*)

In 1911–12 the subject of the seminary is Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénancourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Miserables;* philosophical and historical realism (Renan, Taine).

In 1912–13 a study will be made of Rabelais. The investigations of Abel Lefranc on

Rabelais will be brought into connection with the "Conteurs" and also with such writers as Bernard Palissy and Ambroise Paré.

In 1913–14 the subject of the seminary will be Molière. The subjects studied will be: French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

In 1914–15 the subject of the seminary is *La 'Matière de Bretagne' et l'épopée courtoise.* The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan and the *Romans* of Chrétien de Troie; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their comparative value.

Language.

The course in Old French Philology is intended for students in their first year of graduate study; that in Old Provençal and the Old French Seminary for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the Old French seminary.

Old French Philology, Dr. Holbrook. *Three hours a week throughout the year.*

(*Given in each year.*)

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie.* Other books used are Passy's *Sounds of the French language*, Grandgent's *Introduction to Vulgar Latin*, Nyrop's *Grammaire Historique de l'Ancien Français*, and Schwan-Behrens's *Grammaire de l'Ancien Français.*

Old French Readings, Dr. Holbrook. *Two hours a week throughout the year.*

(*Given in each year.*)

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locutions are minutely examined for the sake of precise interpretations; dialectal features are considered and attention is given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyen âge.*

The following courses may be arranged to suit the needs of students in any particular year:

In 1911–12 this course was devoted chiefly to study of the following texts; Marie de France (*Lais*), an unpublished poem on the Passion, *Aucassin et Nicolete*, *Cligès*, and *Pathelin.*

In 1912–13 attention will be given mainly to epic and historical works: Wace, *Le pèlerinage de Charlemagne*, Villehardouin, Joinville, and other chroniclers.

In 1913–14 the texts studied will be in the drama (*ca.* 1250–*ca.* 1530): Adam de la Hale's *Jeu de la feuillée* and *Jeu de Robin et Marion*, various mysteries and moralities, *Maistre Patelin.*

Old French Seminary, Dr. Holbrook. *Two hours a week throughout the year.*

(*Given in each year.*)

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, Francian and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

Old Provençal, Dr. Holbrook. *Two hours a week throughout the year.*

(*Given in each year.*)

This course is intended for students of Old French who wish to begin the study of the language and literature of the Troubadours. The books required are Grandgent's *Outline of the Phonology and Morphology of Old Provençal* (Boston, 1905) and Appel's *Provenzalische Chrestomathie* (latest edition).

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, M. Cons, Dr. Welden. *One and a half hours a fortnight throughout the year.*

(*Given in each year.*)

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

The instruction offered in Italian covers nine hours of lectures and recitations a week; it includes seven hours a week of undergraduate minor and major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language or with comparative literature to form a group. Any of the undergraduate courses in Italian may be taken as free elective courses.

First Year.

(*Minor Course.*)

(*Given in each year.*)

Major Course. Italian, Dr. Holbrook. *Five hours a week throughout the year.*

(May be taken as a free elective.)

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar;* Stories by Fogazzaro and Hecker's *Il Piccolo Italiano;* Giuseppe Finzi's *Petrarca* (1900); De Marchi's *Storie;* selections from the verse and prose of Renato Fucini; selections from Italian poets in the *Oxford Book of Italian Verse* (thirteenth to nineteenth centuries), with introductory readings in Dante.

Second Year.

(*Given in each year.*)

Italian Classical Literature, Dr. Holbrook.

Two hours a week throughout the year.

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking.

Group: Italian and Spanish with any language, or with comparative literature *or* Italian with History of Art.

GRADUATE COURSES.

Graduate Courses.

Two hours a week of seminary work and graduate lectures are offered each year to graduate students of Italian accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Italian Philology, Dr. Holbrook. *One hour a week throughout the year.*

(*Given in each year.*)

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Old Italian Readings, Dr. Holbrook. *One hour a week throughout the year*

(*Given in each year.*)

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, M. Cons, Dr. Welden. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

The instruction offered in Spanish covers eighteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work; two hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Spanish; and six hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

Spanish, Dr. DeHaan. *Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos;* Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); DeHaan's *Selected Works of G. A. Bequer*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José;* Galdós, *Marianela.*

SECOND YEAR.

(*Given in each year.*)

Lectures in Spanish on Spanish Literary History of the Nineteenth Century, Dr. DeHaan. *Two hours a week throughout the year.*

Spanish Composition, Dr. DeHaan. *One hour a week throughout the year.*

Critical Reading in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

Group: Spanish, or Italian and Spanish with any language, or with comparative literature *or* Spanish with History of Art.

POST-MAJOR COURSE.

Post-Major Course.

The post-major course is designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect this course.

Advanced Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

(*Given in each year.*)

The course consists of readings of classical, pre-classical and modern literature, translation of English prose into Spanish, and the writing of compositions in Spanish. Some time is devoted to the study of the history of Spanish literature.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department.

No undergraduates are admitted to graduate courses or to the seminary libraries, but the post-major course of the department amounting to two hours a week may be elected by graduate students.

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year.*

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681), Dr. DeHaan. *One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*

Romance Languages Journal Club, Dr. DeHaan, Dr. Schinz, Dr. Holbrook, M. Cons, Dr. Welden. *One and a half hours a fortnight throughout the year.*

The instructors and advanced students meet to report on and discuss recent reviews and critical articles.

COMPARATIVE LITERATURE.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate and Associate Professor (elect) in Comparative and Elizabethan Literatures; Dr. Alfred Horatio Upham, Associate Professor of English Literature, and Miss Georgiana Goddard King,* Reader in English and Lecturer in Art.

The instruction offered in comparative literature covers fourteen hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work and four hours a week of graduate work. Any of the undergraduate courses may be taken as free elective courses, but are open only to those students who have completed the two years' required course in English and possess a reading knowledge of one language besides English. Students electing comparative literature as a major subject must possess a reading knowledge of one modern language at the beginning of the first year course, and a reading knowledge of two languages, one of which may be Latin, before entering on the work of the second year. This requirement will probably be extended in 1913–14 to include two languages for the minor course and three for the major. Students intending to elect comparative literature and either Italian or Spanish as a group should begin the study of the language chosen as early as possible after entering college.

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*Granted leave of absence for the year 1911–12.

FIRST YEAR.

(*Minor Course.*)

Major Course.

Renaissance Lyrics, Dr. Hatcher. *Three hours a week during the first semester.*

(*Given in* 1911–12 *and in each succeeding year.*)

The course is concerned with the rise of the modern literary lyric among the Troubadours' and the spread of Provençal and other early Romance lyric forms in Italy, France, Germany' Spain, and England. A knowledge of two languages besides English, one preferably Latin' is required.

The Modern Pastoral to 1700, Dr. Hatcher.

Three hours a week during the second semester.

(*Given in* 1911–12 *and in each succeeding year.*)

The lectures and reading involve recognition of the large debt of the moderns to the classical pastoralists, but are chiefly devoted to the rise and decadence of the pastoral mode in the Romance literature and in English as expressed in eclogue, pastoral, lyric, romance, and drama. A reading knowledge of two languages besides English is required.

The Continental Developments of Romanticism in the Nineteenth Century, Miss King. *Two hours a week throughout the year.*

(*Given in* 1913–14 *and in each succeeding year.*)

The course deals with the rise and growth of the ideals of revolution in continental literature from the birth of Byron to the death of Swinburne. The literature of revolt is studied with special attention to the drama and, in poetry as well as in the novel, to the successive phases of early romanticism, mid-century realism, and the new return to romanticism.

SECOND YEAR.

Modern Drama, Dr. Hatcher. *Three hours a week during the first semester.*

(*Given in* 1911–12 *and in each succeeding year.*)

The causes of the present wide-spread dramatic activity are sought, and the more significant contemporary plays are studied in their relation to vital modern questions, for their literary qualities, and for methods of technique. A reading knowledge of either French or German is required.

The Evolution of Dramatic Forms, Dr. Hatcher.

Three hours a week during the second semester.

(*Given in* 1911–12 *and in each succeeding year.*)

The object of the course is to seek out the essence of the drama as such, to suggest the many forms in which the human instinct for dramatic expression has manifested itself, and to acquaint the student with the more significant of these in their historical order. A reading knowledge of Latin and of one modern language is desirable.

The Foreign Relations of Nineteenth Century Romanticism, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1911–12.)

A study of the various phases of the general Romantic movement in their effect on English thought and letters after 1800. Attention will be given to the influence of philosophical idealism, the final shaping of the mediæval element, the revolutionary impulse, the relation of nature and art, the Hellenistic reaction, the Italian revival, and the diffusion of romanticism in later literature. Careful outside reading is required.

The Culture of the Renaissance, Miss King.

Two hours a week throughout the year.

(Given in 1912–13 *and in each succeeding year.)*

The study of the literature of the Italian Renaissance begins with an examination of its ideals of education and character, and, after a short excursus on the influence of the other arts upon literature between 1300 and 1600, indicates the chief differences which appeared as the movement reached its culmination in France and England, and the standards of taste and ideals of life which it finally imposed. The class studies in connection with this the chief types of literary form as they took shape in Italy and were adopted and altered elsewhere.

The course on the *Faust Legend* given by Dr. Jessen, two hours a week as part of the major course in German, may be substituted for this course if desired.

Group: Comparative Literature with English, *or* with German, *or* with Italian, *or* with Spanish, *or* with Italian and Spanish.

GRADUATE COURSES.

Graduate Courses.

The seminary in comparative literature changes its subject of study from year to year through a cycle of three years. It may be taken by graduate students of English in connection with the seminary in Elizabethan literature or may be elected separately. The courses in literary criticism extend through two years, but may be elected separately. Students intending to do special work in comparative literature are advised to begin the study of Italian or Spanish.

Seminary in Comparative Literature, Dr. Hatcher.

Two hours a week throughout the year.

(Given in each year.)

In 1911–12 the subject of the seminary is the lyric poetry of the later Renaissance. The Italian lyrics of the fifteenth and sixteenth centuries are studied with reference both to their Provençal and early Italian origins, and to their bearing upon later French and English lyrics. Considerable stress is laid upon the study of verse forms and the development of theories of versification. The first semester is given to reading of the literature involved and reviews of the results of critical investigation in the field. In the second semester each student devotes her time to some individual topic. Students desiring to take this course must consult the instructor as to linguistic equipment.

In 1912–13 Renaissance comedy, chiefly in the sixteenth century, will be studied. Some preliminary consideration will be given to mediæval contributions to Renaissance comedy, but Ariosto's revival of classical comedy will be taken as the special starting point, and the development of literary comedy traced through other Italian plays and through the French, Spanish, and English to that of the earlier Jacobean dramatists. The various types of comedy will be analysed and illustrated in the reading required. Pre-requisite for the course, French and either Italian or Spanish.

In 1913–14 the seminary will undertake the study of Renaissance fiction on the continent as related to Elizabethan fiction and drama, the study of fiction being here practically restricted to that of the novella or short prose tale,, Boccaccio, Cinthio, Bandello, Margaret of Navarre, Desperiers, Belleforrest, Painter, Pettio, Whetstone, etc., being among the novelists studied. Pre-requisite for the course, French and either Spanish or Italian.

Modern Literary Criticism, Dr. Upham. *Two hours a week throughout the year.*

(*Given in* 1912–13 *and again in* 1914–15.)

A survey of the important phases of literary criticism in Europe from the neo-classic period, through the development of romanticism, to the present day. Inter-relations of England and the continent will be made prominent. This course will be similar in scope and method to the course in Literary Criticism through the Renaissance.

Literary Criticism through the Renaissance, Dr. Upham.

Two hours a week throughout the year.

(*Given in* 1913–14 *and again in* 1915–16.)

A survey, from the graduate point of view, of the significant movements and documents in the history of European critical theory from Aristotle, through the activities of the Renaissance, to the consummation of the neo-classic code in the seventeenth century. The bearing of these upon English literature will be emphasised throughout. The lectures aim chiefly to indicate outline and relationships, the important feature of the course being the thorough study and frequent discussion of the material.

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages. The instruction offered in this department includes three hours a week of Oriental History, three hours a week of free elective courses in Biblical Literature, and five hours a week of graduate courses in Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the college his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

MINOR COURSE.

(*Given in each year.*)

Minor Course.

Oriental History, Dr. Barton. *Three hours a week throughout the year.*

(May be taken as a free elective or may be substituted for part of the second year of required science, or part of the minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately. This course was given five hours a week in 1911–12.

FREE ELECTIVE COURSES.

Free Elective Courses.

The courses in Biblical Literature are intended primarily for undergraduate students, but may be elected by graduate students also.

History of the Old Testament Canon, Dr. Barton.

One hour a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and readings are assigned in the Old Testament itself and in modern literature concerning it.

New Testament Biography, Dr. Barton. *Two hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The instruction is given in lectures, and the Gospels and Espistles are read together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the New Testament Canon, Dr. Barton.

One hour a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

This course, which alternates with the course on the Old Testament Canon, consists of a study of the New Testament.

The History of Christian Doctrine, Dr. Barton.

Two hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

Biblical Geography and Archæology, Dr. Barton.

Two hours a week throughout the year

(*Given when the time of the department permits.*)

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narrative are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

New Testament Greek, Dr. Barton. *Two hours a week throughout the year.*

(*Given when the time of the department permits.*)

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews.*

GRADUATE COURSES.

Graduate Courses.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic languages and Biblical Literature accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to three hours a week may be elected by graduate students.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

The following courses are offered in 1911–12 and again in 1913–14:

Semitic Seminary, Dr. Barton. *Two hours a week throughout the year.*

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following; the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, or mythological poetry. In Hebrew, one of the following subjects may be selected: Job, the Psalter, Isaiah, Jeremiah. Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages, Dr. Barton.
Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew, The Prophets, Dr. Barton. *One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Hebrew Literature, Dr. Barton. *Two hours a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Ethiopic, Dr. Barton. *One hour a week throughout the year.*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used, and in the later part of the course selections are read from the book of Enoch.

Seminary in New Testament Greek, Dr. Barton.
One hour a week throughout the year.

A thorough study is made of some book of the New Testament, and the students are guided in critical studies, both textual and historical.

The following courses are offered in 1912–13 and again in 1914–15:

Semitic Seminary, Dr. Barton. *Two hours a week throughout the year.*

The work of the seminary is continued as given in 1911–12.

Seminary in Aramaic and Arabic, Dr. Barton.
Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be given to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar, Dr. Barton.
One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparison from the Egyptian and other Hamitic languages.

Egyptian, Dr. Barton. *One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

History.

The instruction in this department is under the direction of Mr. Clarence H. Haring, Lecturer (elect) in History, Dr. William Roy Smith, Associate Professor of History, Mr. Frederick Aldrich Cleveland, Lecturer in History, Dr. George A. Barton, Professor of Semitic Languages and Biblical Literature, Dr. Tenney Frank, Associate Professor of Latin, and Dr. James Fulton Ferguson, Associate (elect) in Latin and Ancient History.

The instruction offered in history covers forty-two hours of lectures a week; it includes twenty hours a week of undergraduate major and minor work in modern history and ten hours a week of major and minor work in ancient history; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and seven hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

First Year.

(*Minor Course.*)

Modern History.

Modern History.

(*Given in each year.*)

Major Course.

History of Europe from 1799 to 1912, Mr. Haring and Mr. Cleveland. *Three hours a week throughout the year.*

(This course may be taken as a free elective and either semester may be elected separately. The class will be divided alphabetically into two sections, A and B. Mr. Haring will lecture to Section A in the first semester and to Section B in the second semester. Mr. Cleveland will lecture to Section B in the first semester and to Section A in the second semester.)

The course deals with the political and social transformation of Europe in the nineteenth century. It opens with an outline of the career of Napoleon. The lectures trace the reaction against legitimism and Metternichism, and the growth of liberal ideas and constitutional government. In the second semester special attention is paid to the union of Italy and to the foundation of the German Empire. Attention is also given to questions of the near and far East and to problems of colonial expansion.

History of the Reformation, Dr. Smith. *Two hours a week throughout the year.*

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in history. The course in History of England since 1066 may be substituted for this course, but must also be elected in both semesters to count as part of the minor course in history.)

The course begins with a brief survey of the Middle Ages, special emphasis being placed upon the organisation of the Church, the rise and fall of the Papacy, the work of the Councils of Pisa, Constance, and Basel, and the pre-Lutheran reform movement. A more detailed account of the growth of Protestantism and the counter measures follows; the war in the Netherlands, the religious and political struggles in France, and the thirty years' war are discussed. The course closes with the treaty of Westphalia in 1648.

History of England since 1066, Mr. Cleveland.

Two hours a week throughout the year.

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in history. The course in the History of the Reformation may be substituted for this course but must also be elected in both semesters in order to count as part of the minor course in history.)

The objects of this course are to review the principal events in English history since the Norman conquest and also to explain modern England. The treatment is therefore both chronological and topical, the topics discussed being either of contemporary importance or explanatory of present political history. Up to 1485 the lectures merely summarise facts and emphasise changes; after 1485 the treatment is more detailed and special subjects such as the development of the cabinet system, the American Revolution from the English point of view, the industrial revolution, parliamentary reform, and recent social legislation are discussed.

SECOND YEAR.

Modern History.

(Given in each year.)

Europe in the Period of the Renaissance, Mr. Haring.

Three hours a week throughout the year.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on the French Revolution and Napoleon may be substituted for this course.)

The course is intended to trace the development of those forces in learning and religion, in political and social life, which combined to give significance to this period. The rise of Italian Humanism and its reflection in Northern Europe, the broadening of geographical knowledge and the commercial rivalries which ensued, the national expansion of France, Spain, England, and the beginnings of religious reform are dealt with.

The French Revolution and Napoleon, Mr. Cleveland.

Three hours a week throughout the year.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on Europe in the Period of Renaissance may be substituted for this course.)

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The form of the course is chiefly narrative and an effort is made to view the Revolution in its wider aspects as, in a sense, a part of the history of all modern states. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

History of the United States from 1865 to 1912, Dr. Smith.

Two hours a week throughout the year.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on British Imperialism may be substituted for this course.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. They will also be taught by means of required reading and reports how to use memoirs, letters, magazines, newspapers, and other contemporary historical sources.

British Imperialism, Dr. Smith.

Two hours a week throughout the year.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, and may be entered in the second semester, but students taking history as a group must elect it in both semesters in order to count it as part of the major course. The course on the History of the United States from 1865 to 1912 may be substituted for this course.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

FIRST YEAR.

(Minor Course.)

Ancient History.

Ancient History.

(Given in each year.)

Major Course

Oriental History, Dr. Barton.

Three hours a week throughout the year.

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

This course treats in broad outlines the history of civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately. **In 1911-12 this course was given five times a week throughout the year.**

Outline Survey of Classical History, Dr. Ferguson.

Two hours a week throughout the year.

(This course may be taken as a free elective and may be entered in the second semester but must be elected in both semesters in order to count as part of the minor course in Ancient History.)

The course consists of lectures supplemented by reference to West's *Ancient History* and private reading giving an outline of European civilisation from its earliest times to the reign of Charlemagne. Oriental history will be given only in so far as it serves to explain the origin of this civilisation and will not duplicate in any way the course in Oriental History.

SECOND YEAR.

Ancient History.

1st Semester. *(Given in each year.)*

The Age of Pericles, Dr. Ferguson.

Three hours a week.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in the Augustan Age in order to count it as part of the major course.)

This remarkable period in Greek History will be studied minutely. Source study, historical method, and comparison of modern accounts will be required.

Lectures on Roman Life, Dr. Frank.

One hour a week.

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

Biographical Study of Cæsar, Dr. Ferguson.

One hour a week.

(This course may be taken as a free elective and may be entered in the second semester, but students taking Ancient History as a group must elect the course in both semesters in order to count it as part of the major course.)

The object of this course will be to group the facts in the history of the last century of the Roman Republic round the personality of its great men, especially Julius Cæsar. The accounts of Mommsen, Sihler, Ferrero and others, will be studied in detail, with a careful testing of their sources and methods.

2nd Semester.

The Augustan Age, Dr. Ferguson.

Three hours a week.

(This course may be elected only by students who have studied history at least five hours a week for one year. Under the above conditions it may be taken as a free elective, but students taking Ancient History as a group must elect also the course in the Age of Pericles in order to count it as part of the major course.)

The course consists of a study of the political, institutional, and cultural history of the golden age of the empire. The sources and their use by modern historians will be studied minutely. Special subjects will be assigned for independent investigation.

Lectures on Roman Life (continued), Dr. Frank. *One hour a week.*

Biographical Study of Cæsar (continued), Dr. Ferguson. *One hour a week.*

Group: Modern History with Economics and Politics; Modern European History with German, *or* with French, *or* with History of Art; Ancient History with Greek, *or* with Latin, *or* with Classical Archæology.

POST-MAJOR COURSES.

Post-Major Courses.

England under the Tudors, Mr. Haring. *Two hours a week throughout the year.*

(*Given in* 1913–14 *and again in* 1915–16.)

The principal aspects of the narrative and constitutional history of England in the seventeenth century will be studied in some detail. Use will be made of general histories but the work of the students will, as far as possible, be done from State papers, published correspondence, etc. The course will be conducted by lectures, discussions, and oral reports from members of the class.

England under the Stuarts, Mr. Haring. *Two hours a week throughout the year.*

(*Given in* 1914–15.)

This course is conducted on the same general plan as the preceding course.

American Constitutional History to 1783, Dr. Smith.

Three hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States.* The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

American Constitutional History, from 1783, Dr. Smith.

Three hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-books used are MacDonald's *Select Documents of the History of the United States* and *Select Statutes of United States History*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

England since 1714, Mr. Cleveland. *Two hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1912–13.)

This course is conducted by means of lectures, assigned readings, and written reports. Its purpose is rather to explain than to narrate. Therefore the treament is topical as well as chronological, emphasis being laid upon those political, social, and constitutional changes which seem to have made modern England. Among the topics of discussion are the rise and fall of the Whig oligarchy, the evolution of the cabinet system, the rise of Methodism, the American Revolution as a constitutional question, England and the French Revolution, the industrial revolution, parliamentary reform, England and the Monroe doctrine, the repeal of the corn laws, Home Rule, and present-day Liberalism.

GRADUATE COURSES.

Two distinct seminary courses in English and European history and in American history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

Seminary in English and European History, Mr. Haring.

Three hours a week throughout the year.

(Given in each year.)

In 1912–13 the Reformation will be the subject of the seminary.

In 1913–14 the work of the seminary will be on topics selected from the political history of continental Europe in the sixteenth and seventeenth centuries.

In 1914–15 English institutions in the Tudor and Stuart periods will be studied.

Seminary in American History, Dr. Smith.

Two hours a week throughout the year.

(Given in each year.)

In 1911–12 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and to the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1912–13 the American colonies in the seventeenth and eighteenth centuries will be the subject of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester, special stress is laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1913–14 the revolution, the confederation, and the constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

Historical Method and Bibliography, Mr. Cleveland.

One hour a week throughout the year.

(*Given in* 1913–14.)

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. A reading knowledge of French and German is required.

Historical Journal Club, Mr. Haring, Dr. Smith and Mr. Cleveland.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris, Associate Professor of Economics and Politics, Mr. Sydney D. M. Hudson, Lecturer in Political Science, and an instructor in Economics and Politics whose appointment will be announced later.

The instruction offered by this department covers thirty-four and a half hours of lectures and recitations a week; it includes twenty hours a week of undergraduate minor and major work; two and a half hours a week of free elective work; five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and seven hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

First Year.

(Minor Course.)

(Given in each year.)

Major Course.

Introduction to Economics, Dr. Parris and ———.

Three hours a week throughout the year.

(This course may be taken as a free elective and either semester may be elected separately. The class will be divided alphabetically into two sections, A and B. Dr. Parris will lecture to Section A in the first semester and to Section B in the second semester. An instructor, whose appointment will be announced later, will lecture to Section B in the first semester and to Section A in the second semester.)

The objects of this course are to introduce the students to the economic problems in the modern state with their necessary historical antecedents, and to train them to think clearly on economic subjects. The work of the year is divided into three parts: first, the nature and extent of supply, including a brief outline of economic geography; second, the nature and laws of demand, including an introduction to the theory of value and price; third, a brief résumé of the development of modern economic institutions including means and methods of production and exchange. The lectures are supplemented by readings from standard economic authors. Several short papers are required and oral and written quizzes are frequently held. Expeditions are arranged to visit industrial plants, factories, etc.

Problems in Politics, Mr. Hudson and ———.

Two hours a week throughout the year.

(This course may be taken as a free elective and either semester may be elected separately. The class will be divided alphabetically into two sections, A and B. Mr. Hudson will lecture to section A in the first semester and to Section B in the second. An instructor, whose appointment will be announced later, will lecture to Section B in the first and to Section A in the second semester.)

The course is designed to give the student a knowledge of the vital problems of contemporary politics. The basis of the work will be a critical examination of the political organisation and practice of the United States with constant comparison with Great Britain, France, and the German Empire.

Among the topics treated are: the territorial and ethnic basis of the modern State with special reference to American race problems; the nature of constitutional government, the formation and evolution of modern constitutions, "flexible" and "rigid" constitutions; the fundamental principles embodied in modern democratic constitutions; the evolution of democracy during the last century, various types of democracy, the strong and weak points of democratic systems; the legislative, executive and judiciary, their organisation, powers and methods of operation with special attention to such questions as "the separation of the powers," presidential vs. parliamentary government, the freedom of debate in legislative bodies, the independence of the courts, proper popular control over the machinery of government; federal vs. centralised government. the adaptability of our federal system to present-day conditions; the constitutional protection of private rights, the fifth and fourteenth amendments to the constitution of the United States and the interpretation of these amendments, political parties, their development, organisation and methods; State and Municipal government in the United States; representative and direct government.

SECOND YEAR.

(*Given in each year.*)

History of Economic Thought, Dr. Parris and Mr. Hudson.

Three hours a week throughout the year.

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective, and may be entered in the second semester. The class will be divided alphabetically into two sections, A and B. Dr. Parris will lecture to Section A in the first semester and to Section B in the second semester. Mr. Hudson will lecture to Section B in the first and to Section A in the second semester.)

The object of this course is to give advanced students an historical introduction to modern economic thought as a basis for a critical study of modern economic problems. The successive changes in the theory of value and of distribution since the middle of the eighteenth century are studied with special reference, first, to the philosophical and speculative thought, and second, to the industrial institutions of the times.

The students will be expected to read critically portions of standard texts, including Adam Smith's *Wealth of Nations*, Ricardo's *Principles of Political Economy and Taxation;* Malthus's *Principles of Population;* Senior's *Political Economy;* J. S. Mill's *Principles of Political Economy*, Jevon's *Political Economy;* and selections from the writings of Marshall, Wicksteed, Böhm-Bawert, Wieser, J. B. Clark, Pantaleoni and others. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Social Politics, Mr. Hudson and ———.

Two hours a week throughout the year.

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective and may be entered in the second semester. The class will be divided alphabetically into two sections, A and B. Mr. Hudson will lecture to Section A in the first semester and to Section B in the second semester. An instructor, whose appointment will be announced later, will lecture to Section B in the first and to Section A in the second semester.)

The course will deal with the problem of the relations of organised society to the individual with respect to the functions of government and the proper limits of governmental interference. The questions treated will be dealt with from the political, economic and social points of view. During the first semester various types of individualistic and socialistic theories will be critically examined and the practice of modern democratic states with regard to governmental interference will be studied in order to determine and compare the various principles which may be deduced therefrom. The work of the second semester will deal with specific problems such as: the position of the family in modern society; various proposed methods of social reform, especially of aid to dependent and quasi-dependent classes; labour organisations and labour legislation; the growth and regulation of combinations of capital; public ownership vs. governmental control of public utilities; the guaranties of private rights under the constitution of the United States in their relation to social legislation.

Group: Economics and Politics with Modern History *or* with Philosophy.

Free Elective Courses.

Free Elective Courses.

Methods of Social Research, Dr. Parris.

Two hours a week throughout the year.

(*Given in each year.*)

The work of the first semester is an account of modern institutions for social research and social reform; a review of the most important investigations, bibliographical sources, and methods of research. Booth's *Life and Labour in London*, Rowntree's *Poverty*, the reports of the Bureau of Labour and Bailey's *Modern Social Conditions* will be used as text-books. In the second semester American social problems are studied, using as a basis of investigation the United States Census. Special attention is paid to statistical method and students will be assigned reports for each semester. The course is open only to those students who have attended the minor course in economics and politics.

Euthenics, Dr. Parris. *One hour a week during the second semester.*

This course is a continuation of the course in Eugenics given in the first semester, see page 175.

Post-major Courses.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Sociology and the Social Institutions, Dr. Parris.

Two hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

This course is designed to introduce the students to the problems of modern sociology. The first semester's work will be a review of the literature of sociology. The students will read selections from the works of Comte, Spencer, Giddings, Ratzenhofer, Small, and others. In the second semester the genesis and history of the social institutions will be studied, the family, church, state, the institution of private property, corrective and preventive institutions, etc. The lectures are supplemented by written reports and specially assigned reading, and by written and oral quizzes.

Government and Civil Liberty, Mr. Hudson.

Three hours a week throughout the year.

(*Given in* 1911–12.)

This course consists of an examination of the nature of the State and the respective spheres of governmental interference and civil liberty.

Modern Democracy, Mr. Hudson. *Three hours a week throughout the year.*

(*Given in* 1912–13 *and again in* 1914–15.)

The first semester will be devoted to an examination of the nature of democracy, types of democratic institutions, the development of the modern democratic movement, and the tendencies of democratic legislation. Democratic institutions are analysed in order to show the principles underlying them, and the opinions of publicists and statesmen with regard to democracy are discussed critically. In the second semester specific problems of democratic organisation and practice, especially those of contemporary American interest will be studied.

American Constitutional Law, Mr. Hudson.

Two hours a week throughout the year.

(*Given in* 1913–14 *and again in* 1915–16.)

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

The Literature of Socialism. *Two hours a week throughout the year.*

(*Given in* 1912–13 *and again in* 1914–15 *by an instructor whose appointment will be announced later.*)

The course is intended to give a critical survey of socialistic and collectivistic thought in the nineteenth century as a basis for interpreting modern socialistic theories. The students will be required to write reports on specially assigned topics.

American Industrial History. *Three hours a week throughout the year.*

(*Given in* 1913–14 *and again in* 1915–16 *by an instructor whose appointment will be announced later.*)

The object of the course is to trace the history of organisations of labour and capital in the United States as a basis for the special study of present conditions.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more consecutive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students.

Economic Seminary, Dr. Parris. *Two hours a week throughout the year.*

(*Given in each year.*)

In 1911–12 the theories of capital and interest of modern German, Italian, and American economists are studied and critically compared.

In 1912–13 the subject of the seminary will be a critical study of modern theories of value. The works of Ehrenfels, Meinong, and Urban will be studied and criticised.

In 1913–14 the subject of the seminary will be the theories of interest and wages in modern German, Italian, English, and American economics.

Political Seminary, Mr. Hudson. *Two hours a week throughout the year.*

(*Given in each year.*)

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1911–12 the subject of the seminary is the nature and development of modern democratic institutions.

In 1912–13 Private Rights under the Constitution of the United States will be the subject of the seminary. Attention will be devoted both to the content of the rights protected and to the means through which the protection is effected. In this latter connection, the origin of the power of the Supreme Court of the United States to pass upon the constitutionality of acts of Congress and of the State Legislatures, the principles which have guided the Court in the use of the power, and the criticisms which have been advanced with regard to the action of the Court will be treated. The investigation of the content of constitutionally protected private rights will be concerned chiefly with a study of cases dealing with combinations of labor and capital; social legislation, particularly government aid to dependent and semi-dependent classes; the control of public utilities; limitations upon the taxing power; class discriminations; various modes of administrative procedure.

In 1913–14, a study will be made of the origin and content of the political thought expressed in the Constitution of the United States. American political ideas of the constitution-making period will be considered in relation to their colonial and European sources. Chief attention, however, will be devoted to the debates in the Convention of 1787, the discussion of the constitution in connection with the state-ratifying conventions, and the course of political thought during the period of federalist supremacy under the new government.

In 1914–15, the distribution of legislative power between the Central Government and the States will be investigated as a basis for a comparison of federal and centralized government. The American federal system will be compared with the centralized government of Great Britain and the federal systems of Australia, Canada, and British South Africa.

Economic Seminary. *Two hours a week throughout the year.*

(*Given in each year by an instructor whose appointment will be announced later.*)

In 1912–13 the subject of the seminary will be American industrial problems. The economic aspect of organised capital and organised labour and the principles of labour legislation will be studied.

In 1913–14 the subject of the seminary will be the industrial history of the United States from 1790 to 1860.

Economic Journal Club, Dr. Parris and Mr. Hudson.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. James H. Leuba, Professor of Psychology and Education and

Director of the Psychological Laboratory, Dr. Clarence Errol Ferree, Associate and Associate Professor (elect) in Psychology, Dr. Grace Mead Andrus de Laguna, Associate in Philosophy, and Miss Marion Reilly, Dean of the College and Reader in Philosophy.

The instruction offered in this department covers thirty-six hours of lectures a week: it includes a required course of five hours a week; ten hours a week of undergraduate major and minor work; one hour a week of free elective work; five hours a week of post-major work open only to graduates and undergraduates who have completed the major course in philosophy; and fourteen hours a week of graduate work.

A course in philosophy, five hours a week throughout one year, is required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, or physics.

Required Course.

History of Philosophy, Dr. T. de Laguna.

Three hours a week throughout the year.

(*Given in each year.*)

The object of this course is to give a general survey of the history of philosophy. The first semester is devoted to a study of Greek and mediæval thought. In the second semester the lectures deal with the development of modern philosophy from Descartes to Kant.

Psychology, Dr. Leuba. *Two hours a week throughout the year.*

(*Given in each year.*)

The text-book used is James's *Psychology, Briefer Course.* In connection with the lectures there are demonstrations of pertinent psycho-physical facts.

First Year.

(*Minor Course.*)

1*st Semester.* (*Given in each year.*)

Major Course.

Problems in Philosophy, Dr. T. de Laguna. *Three hours a week.*

(Open only to those students who have taken the general course in the History of Philosophy. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

In this course certain fundamental questions in philosophy are discussed in detail, such as substance and cause, mechanism and teleology, monism and pluralism, idealism and materialism, optimism and pessimism.

The Psychology of Instinct, Emotion, and the Will, Dr. Leuba.

Two hours a week.

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

2nd Semester.

Elementary Ethics, Dr. G. de Laguna. *Three hours a week.*

(Open only to those students who have taken the general course in the History of Philosophy. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

This course forms a critical and historical introduction to ethical science. It is conducted by means of lectures, discussions, and supplementary reading.

Experimental Psychology, Dr. Ferree. *Two hours a week.*

(Open only to those students who have taken the general course in Psychology. May be taken as a free elective by students not electing the philosophical group, or may be counted as part of the second year of required science.)

This course counts as the equivalent of two hours a week for one semester; one hour a week is given to lectures on experimental psychology and two and a half hours a week to laboratory work.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Empiricism and Rationalism, Dr. G. de Laguna. *Three hours a week.*

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course is devoted to a discussion of selected works of Descartes, Spinoza, Leibnitz, and Hume.

Experimental Psychology, Dr. Ferree. *Two hours a week.*

(Open only to those students who have taken the minor course in Psychology. May be taken as a free elective by students not electing the philosophical group.)

This course counts as equivalent to two hours a week; during the first semester two and a half hours of laboratory work and one hour of lectures are given in place of two hours of lectures. In the laboratory the experimental work of the minor year is continued.

2nd Semester.

Philosophy in the Nineteenth Century, Dr. de Laguna. *Three hours a week.*

(Open only to those students who have taken the minor course in Philosophy. May be taken as a free elective by students not electing the philosophical group.)

The course is introduced by a series of lectures upon Kant's system. The post-Kantian idealism and the philosophies of Comte and Spencer occupy the greater part of the semester.

Psychology (Animal Psychology), Dr. Leuba. *Two hours a week.*

(Open only to those students who have taken the minor course in Psychology. May be taken as a free elective by students not electing the philosophical group.)

In this semester the laboratory work is discontinued and two hours a week of lectures are given. The genesis and growth of mental life with reference to animal psychology are treated.

Group: Philosophy with Greek, *or* with English, *or* with Economics and Politics, *or* with Mathematics, *or* with Physics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Elementary Logic, Dr. T. de Laguna. *One hour a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

An introduction to deductive and inductive logic, including the theories of definition, classification, the transformation of judgments, the canons of the syllogism, the formation of concepts, the general methods of observation and experiment, analogy, and the use of hypotheses.

Theory of Pragmatism, Dr. T. de Laguna.

One hour a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

A brief introduction gives a sketch of the Darwinian theory of evolution and of its application to functional psychology. The greater part of the second semester is devoted to class discussion of Professor James's book on *Pragmatism.*

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Types of Metaphysical Theory, Dr. G. de Laguna.

Two hours a week throughout the year.

(*Given in each year.*)

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced its implications and relationships are examined and criticised. The particular subjects elected vary from year to year.

Advanced Experimental Psychology, Dr. Ferree.

Three hours a week throughout the year.

(*Given in each year.*)

This course is intended for fourth year students in psychology who wish to begin research work. The instructor will cooperate with the student in the solution of some original problem. The object of the course is to train the student for independent investigation. A reading knowledge of French and German is required.

GRADUATE COURSES.

Graduate Courses.

Fourteen hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy and psychology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work.

Ethical Seminary, Dr. T. de Laguna. *Three hours a week throughout the year.*

(Given in each year.)

The subject of the seminary is either a study of one of the chief problems of ethics or metaphysics or a critical examination of some important movement of thought.

In 1911–12 the subject of the seminary is the ethics of Plato. The dialogues in which moral questions are prominently discussed are read in approximately chronological order; and the development of Plato's ethics is studied in the light of its interrelations with his theories of knowledge and of reality.

In 1912–13 Hume and his contemporaries will be studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the principal task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental reference to Hartley and Adam Smith.

In 1913–14 the subject will be English evolutionary ethics, as exemplified in the writings of Darwin, Clifford, Spencer, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

Metaphysical Seminary, Dr. G. de Laguna.

Two hours a week throughout the year.

(Given in each year.)

The subject of the seminary is usually an examination of one of the more important metaphysical theories of recent times. The chief object of the inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1911–12 the subject of the seminary is contemporary realism, special attention being given to the various phases of the moment in England and in this country. Its historical sources, and its relations to subjective idealism as well as to absolute idealism and pragmatism, are carefully studied.

In 1912–13 the subject will be English empiricism. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

In 1913–14 the subject will be inductive and genetic logic. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin will be the basis of study.

Modern Problems in Logic, Miss Reilly. *Two hours a week throughout the year.*

(Given in 1910–11 *and again in* 1912–13.*)*

This course is conducted according to seminary method.

Philosophical Journal Club, Dr. T. de Laguna and Dr. G. de Laguna.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Psychological Seminary, Dr. Leuba. *Two hours a week throughout the year.*

(Given in each year.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology.

Systematic Psychology, Dr. Ferree. *Three hours a week throughout the year.*

(Given in each year.)

This course is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Journal Club, Dr. Leuba and Dr. Ferree.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Leuba and Dr. Ferree.

The laboratory work consists of individual practice and research.

Education.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology and Education and Director of the Psychological Laboratory. The instruction offered covers five hours of lectures a week; it includes two hours a week of free elective work, and three hours a week of graduate work.

It is the purpose of the department to offer to students intending to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In addition to the lectures open to undergraduates, courses will be organised for graduate students only, conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

FREE ELECTIVE COURSE.

Free Elective Course.

Education, Dr. Leuba. *Two hours a week throughout the year.*

(Given in each year.)

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

GRADUATE COURSES.

raduate Courses. Graduate students are recommended to follow the work offered in the free elective course.

No undergraduates are admitted to graduate courses.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc., Dr. Leuba. *Two hours a week throughout the year.*

(*Given in each year.*)

The Psychology of Mental and Bodily Growth with reference to Education, Dr. Leuba. *One hour a week throughout the year.*

(*Given in each year.*)

A knowledge of elementary psychology is assumed in this course.

Educational Psychology, Dr. Leuba. *Two hours a week throughout the year.*

(*Given in* 1912–13.)

This course may be substituted for the course in school hygiene.

History of Art and Classical Archæology.

The instruction in this department is under the direction of Dr. David M. Robinson, Non-Resident Lecturer in Classical Archæology, Miss Georgiana Goddard King,* Reader in English and Lecturer in Art, Miss Lily Ross Taylor, Reader and Demonstrator in the History of Art and Classical Archæology, Miss Mary Hamilton Swindler, Reader in Latin and Demonstrator (elect) in the History of Art and Classical Archæology, and an instructor whose appointment will be announced later.

The instruction offered in this department covers thirteen hours a week of lectures; it includes ten hours a week of undergraduate minor and major work and three hours a week of graduate work.

Two separate courses, each amounting to five hours a week, are given each year, one in the History of Art and one in Classical Archæology, and these are changed from year to year, giving a first and a second year or major course in each subject. The separate courses of two or three hours a week may be taken as free electives.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight.

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* Granted leave of absence for the year 1911–12.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

Classical Archæology.

Major Course.

FIRST YEAR.

(Minor Course.)

Classical Archæology.

Greek and Roman Architecture.* *Three hours a week throughout the year.*

(*Given in* 1912–13 *and again in* 1914–15.)

(May be taken as a free elective.)

The history of Greek and Roman architecture is studied in the light of the most recent important excavations. The course is illustrated with lantern slides.

Introduction to Classical Archæology.* *One hour a week throughout the year.*

(*Given in* 1912–13 *and again in* 1914–15.)

(May be taken as a free elective.)

Coins, small bronzes, and terra-cottas are studied. The work of the two semesters may be elected separately. The course is illustrated with lantern slides.

Lectures on Roman Life, Dr. Frank. *One hour a week throughout the year.*

(*Given in each year.*)

(May be taken as a free elective.)

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

SECOND YEAR.

(Minor Course.)

Classical Archæology.

Greek and Roman Sculpture, Miss Taylor.

Three hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

(May be taken as a free elective.)

The course consists of a study of the development of Greek sculpture from its beginning to the end of the Hellenistic period. The last six weeks of the second semester are devoted to a survey of Roman Sculpture. The course is illustrated with lantern slides.

Ancient Painting.* *Two hours a week throughout the year.*

(*Given in* 1913–14.)

(May be taken as a free elective.)

This course is concerned chiefly with vases and with Pompeian wall-paintings. A good collection of original material for the illustration of Greek vases is in the possession of the department. The course is illustrated with lantern slides.

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* This course will be given by an instructor whose appointment will be announced later.

FIRST YEAR.

History of Art.

(*Minor Course.*)

History of Art.

Major Course.

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

Three hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

(May be taken as a free elective.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture, Miss King. *Two hours a week throughout the year.*

(*Given in* 1912–13 *and again in* 1914–15.)

(May be taken as a free elective.)

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will also be noticed. The course is illustrated with photographs and lantern slides.

SECOND YEAR.

(*Minor Course.*)

Painting in the Seventeenth and Eighteenth Centuries, Miss King.

Two hours a week throughout the year.

(*Given in* 1913–14 *and again in* 1915–16.)

(May be taken as a free elective.)

In the first semester the Dutch and Flemish painters will be studied, in the second semester the French, Spanish, and English. The course will begin with a short consideration of the Primitives in France and the Low Countries and with the earlier English schools of landscape and portrait painting. The course is illustrated with photographs and lantern slides.

Gothic Architecture, Miss King. *Three hours a week throughout the year.*

(*Given in* 1913–14 *and again in* 1915–16.)

(May be taken as a free elective.)

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

GRADUATE COURSES.

Graduate Courses.

Three hours a week of seminary work and graduate lectures are offered each year to graduate students of archæology accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and elective courses of the department amounting to ten hours a week may be elected by graduate students.

Archæological Seminary, Dr. Robinson. *Two hours a week throughout the year.*

(Given in each year.)

This seminary is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1911–12 the subjects of the seminary are Cretan antiquities in the first semester, and Greek and Roman pottery in the second semester.

In 1912–13 Greek and Roman coins will be studied in the first semester and Greek and Roman sculptures will be the subject of the seminary in the second semester.

In 1913–14 the subject of the seminary will be topography and monuments of Rome in the first semester, and Greek vases of the fifth century B. C. will be studied in the second semester.

Archæological Journal Club, Dr. Robinson.

One and a half hours once a fortnight throughout the year.

(Given in each year.)

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Dr. James Ryal Conner, Associate (elect) in Mathematics, Mr. Harry Bateman, Lecturer in Mathematics and Dr. Helen Schaeffer Huff, Reader in Mathematics. The instruction offered in mathematics covers twenty-three and a half hours of lectures and recitations a week, in addition to the time devoted to the seminary work in the graduate department; it includes ten hours a week of undergraduate minor and major work, five hours a week of free elective work, four hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A.D.

Prepar-atory Course. The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective or may be counted as a part of the year of mathematics which may be taken as an alternative for the second year of required science. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

FIRST YEAR.

(*Minor Course.*)

1st Semester. (*Given in each year.*)

Major Course.

Analytical Conics, Dr. Scott. *Three hours a week.*

Trigonometry, including Series, Dr. H. S. Huff. *Two hours a week.*

The course in trigonometry may be taken separately as a free elective. The course was given by Dr. Scott in 1911–12.

The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

2nd Semester.

Elementary Differential and Integral Calculus, Dr. Conner. *Three hours a week.*

Algebra and Theory of Equations, Dr. Conner. *Two hours a week.*

The three hour and two hour courses in this semester may not be elected separately. They were given by Mr. Bateman in 1911–12.

SECOND YEAR.

1st Semester. (*Given in each year.*)

Differential and Integral Calculus and Differential Equations, Dr. Conner. *Three hours a week.*

Theory of Equations, Determinants, Dr. Conner. *Two hours a week.*

These courses were given by Mr. Bateman in 1911–12.

2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott. *Three hours a week.*

Analytical Geometry of two and three Dimensions, Dr. H. S. Huff. *Two hours a week.*

The three hour and two hour courses in each semester may not be elected separately. The course in analytical geometry was given by Dr. Scott in 1911–12.

Group: Mathematics with Greek, *or* with Latin, *or* with Philosophy, *or* with Physics, *or* with Chemistry, *or* with Geology, *or* with Biology.

FREE ELECTIVE COURSES.

Free Elective Courses.

Graphic Mathematics, Dr. Scott. *One hour a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Fundamental Theorems of Algebra and Geometry, Dr. Scott.

One hour a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful not only to students electing mathematics as a major, but also to those intending to teach elementary mathematics. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Mathematics Preparatory to Science, Dr. H. S. Huff.

Two hours a week throughout the year.

(*Given in each year.*)

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

Elementary Course in Applied Mathematics, Dr. Conner.

Two hours a week throughout the year.

(*Given in each year.*)

This course comprises an elementary treatment of the most important mathematical problems of statics, dynamics, hydrodynamics, optics, heat, sound, astronomy, an account of Newton's *Principia*, and a brief historical sketch. The subject in 1911–12 was Descriptive Astronomy, and the course was given by Mr. Bateman. This course may be counted as part of the five hours of elective or post-major mathematics which may be taken as an alternative for the second year of required science.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four or five hours a week. The courses given are the following, with occasional modifications.

I. (*a.*) Lectures introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry.*

or I. (*b.*) Lectures on Modern Pure Geometry.

or I. (*c.*) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take the course I (*c*) before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (*a.*) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics.*

or II. (*b.*) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or II. (*c.*) Lectures on Differential Equations, ordinary and partial.

or II. (*d.*) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

In 1911–12 the following post-major courses are offered:

I. (*a.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*d.*) Mr. Bateman.	*Two hours a week throughout the year.*

In 1912–13 the following post-major courses are offered:

I. (*b.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*c.*) Dr. Conner.	*Two hours a week throughout the year.*

In 1913–14 the following post-major courses are offered:

I. (*a.*) Dr. Scott.	*Two hours a week throughout the year.*
II. (*b.*) Dr. Conner.	*Two hours a week throughout the year.*

GRADUATE COURSES.

Graduate Courses.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The courses vary from year to year so that they may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to four hours a week may be elected by graduate students.

Plane Algebraic Curves, Dr. Scott.

Two hours a week throughout the year.

(*Given in* 1911–12.)

The course deals with the general theory of plane algebraic curves, with special attention to topological investigations.

Special Algebraic Curves, Dr. Scott.

Two hours a week throughout the year.

(*Given in* 1912–13.)

The first part of the course will be devoted to a discussion of properties of cubic and quartic plane curves. Later in the year other classes of curves will be taken into account and important individual curves will be treated in detail.

Theory of Surfaces, Dr. Scott.

Two hours a week throughout the year.

(*Given in* 1913–14.)

In this course a general knowledge of plane algebraic curves and the elements of solid analytical geometry is presupposed. During the first semester the simpler properties of non-singular surfaces and projective properties of curves and developables are taken up; the classification of curves, the properties of ruled surfaces, and singularities of surfaces in general are treated in the second semester.

Definite Integrals and Integral Equations, Mr. Bateman.

Two hours a week throughout the year.

(*Given in* 1911–12.)

In the first semester the theory of the convergence of definite integrals is discussed and special attention paid to cases in which the order of two limiting processes is inverted. The second semester is devoted to the study of integral equations of the first and second kind and the general theory of distributive operations.

Theory of Numbers, Dr. Conner.

Two hours a week throughout the year.

(*Given in* 1912–13.)

This course will be devoted to the theory of integrals.

Theory of Groups, Dr. Conner.

Two hours a week throughout the year.

(*Given in* 1913–14.)

The theory of abstract groups will be developed, and applications to geometry and the solution of equations will be discussed.

Mathematical Journal Club, Dr. Scott, Mr. Bateman and Dr. Conner.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent,* Dr. Nettie Maria Stevens,† Dr. James Barnes, Dr. Frederick Hutton Getman, Dr. Chester Albert

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* Granted leave of absence for the year 1911–12.

† Died May 4, 1912.

Reeds, Dr. Thomas Clachar Brown (elect), Dr. Harriet Randolph, Miss Abigail Camp Dimon, Miss Mabel Kathryn Frehafer, and Miss Jessie Williams Clifton.

In January, 1893, the trustees opened Dalton Hall, a large building containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The physical, chemical, and biological laboratories are open to students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men.*

The value of a practical knowledge of biology and chemistry as preliminary or accessory to the professional study of medicine is generally recognised. Through the courtesy of the Woman's Medical College of Pennsylvania, allowance is made in its professional courses for work carried on at Bryn Mawr in the scientific laboratories. Students of Bryn Mawr College that have completed major courses in chemistry and biology are released

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* RESOLUTIONS ADOPTED BY THE BOARD OF TRUSTEES OF THE JOHNS HOPKINS UNIVERSITY, ON FEB. 6TH, 1893.

"A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as Candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University.

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of Physics, Chemistry, and Biology as is imparted by the regular minor courses† given in these subjects in this University.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school and the knowledge of French, German, Latin, Physics, Chemistry, and Biology above indicated."

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† By a minor course is understood one that requires one year for its completion. In the languages, the course involves five class-room exercises a week; in Physics, four class-room exercises and three hours a week in the laboratory; in Chemistry, a course in general chemistry for one year with five hours of laboratory work a week; and in Biology, the instruction must include a year's laboratory course of six or more hours a week.

from the primary, or first year's examination in this college, and from laboratory practice in chemistry and biology. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University, and it is easy for a student to elect a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Every effort is made to enable students of medicine to complete the studies necessary to their purpose in the shortest possible time.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate Professor of Physics, and Miss Mabel Kathryn Frehafer, Demonstrator in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one hour a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(*Minor Course.*)

1st Semester. (*Given in each year.*)

Major Course.

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff. *Five hours a week.*

Laboratory Work, Dr. Huff and Miss Frehafer. *Four hours a week.*

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes. *Five hours a week.*

Laboratory Work, Dr. Barnes and Miss Frehafer. *Four hours a week.*

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Crew's *General Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

1st Semester. (*Given in each year.*)

Theoretical Mechanics, Theory of Light, Dr. Barnes. *Five hours a week.*

Laboratory Work, Dr. Barnes and Miss Frehafer. *Four hours a week.*

2nd Semester.

Theory of Heat, Theory of Electricity and Magnestism, Dr. Huff. *Five hours a week.*

Laboratory Work, Dr. Huff and Miss Frehafer. *Four hours a week.*

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics;* the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat;* dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics;* and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism;* optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light.*

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, *or* with Mathematics, *or* with Chemistry, *or* with Geology, *or* with Biology.

FREE ELECTIVE COURSES.

Free Elective Courses.

Historical Development of Physics, Dr. Huff.

One hour a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

Physical Basis of Music, Dr. Huff. *One hour a week throughout the year.*

(*Given in* 1912–13.)

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Astrophysics, Dr. Barnes. *Two hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913-14.)

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Clarke's *Problems in Astrophysics*, Darwin's *The Tides*, and selected chapters in Moulton's *Celestial Mechanics* will be read and discussed. The course is open to students who have taken the minor course in physics or the minor course in mathematics or courses equivalent to these.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigation pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

Electricity and Magnetism, Dr. Huff. *Three hours a week throughout the year.*

(*Given in* 1911–12.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

General Optics, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1912–13.)

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Properties of Matter, Dr. Huff. *Three hours a week during the first semester.*

(*Given in* 1913–14.)

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff. *Three hours a week during the second semester.*

(*Given in* 1913–14.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to the work of Helmholtz and of Rayleigh.

Spectroscopy, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1914–15.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie.* Detailed reports of laboratory investigations are required.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of physics accompanied by the direction of private reading, laboratory work and original research, and these courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

Physical Optics, Dr. Barnes. *Three hours a week throughout the year.*

(*Given in* 1911–12.)

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

Mathematical Theory of Electricity and Magnetism, Dr. Huff.

Three hours a week throughout the year.

(*Given in* 1912–13.)

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Thermo-dynamics and Radiation, Dr. Barnes.

Three hours a week throughout the year.

(*Given in* 1913–14.)

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Radioactivity and Discharge of Electricity through Gases, Dr. Huff.

Three hours a week during the first semester.

(*Given in* 1914–15.)

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory, Dr. Huff.

Three hours a week during the second semester.

(*Given in* 1914–15.)

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Physical Journal Club, Dr. Huff and Dr. Barnes.

One hour a week throughout the year.

(*Given in each year.*)

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in work in the laboratory. The laboratory is provided with special rooms for magnetic, optical and electrical work, and in the basement is a constant-temperature vault designed for accurate comparison of lengths, etc. The stock of apparatus is being added to yearly. A well-equipped shop and a skilled mechanic make it possible to construct special forms of apparatus designed for research.

Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. Frederick Hutton Getman, Associate in Chemistry, and Miss Jessie Williams Clifton, Demonstrator in Chemistry. The instruction offered in chemistry covers nineteen hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, three hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in both inorganic and organic chemistry, making an elementary course that is complete in itself.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are mainly on theoretical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

First Year.

(*Minor Course.*)

1*st Semester.* (*Given in each year.*)

Major Course. Introduction to General Chemistry, Dr. Kohler. *Five hours a week.*

Laboratory Work, Dr. Kohler and Miss Clifton. *Four hours a week.*

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed. Throughout the semester the lectures and the laboratory work are complementary. The laboratory work of each day is outlined in the lecture, sufficient instruction being given to enable the students to observe intelligently. After all the experiments on a given subject have been made the results are discussed in the class-room.

2*nd Semester.*

Introduction to Organic Chemistry, Dr. Getman. *Two hours a week.*

This course is designed to meet the needs of students who take only one year of chemistry; but the material is so selected that it serves as an introduction to the more systematic course given in the second year. An effort is made to give an accurate conception of the underlying principles of organic chemistry.

Qualitative Analysis, Dr. Getman. *Three hours a week.*

Laboratory Work, Dr. Getman and Miss Clifton. *Four hours a week.*

This course consists of lectures, reviews, and laboratory work in qualitative analysis, the object being to familiarise the students with the properties and distinguishing characteristics of inorganic substances, and with the help of a systematic scheme of analysis to separate and identify various substances.

Second Year.

1*st Semester.* (*Given in each year.*)

Lectures on Theoretical Chemistry, Dr. Getman. *Five hours a week.*

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and simple equilibria.

Laboratory Work, Dr. Getman. *Four hours a week.*

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Kohler. *Five hours a week.*

This course presupposes a knowledge of the elements of organic chemistry as given in the first year, and is devoted to a systematic and detailed study of organic compounds.

In the lectures the typical compounds are studied in detail; the general relations existing between classes of compounds, as well as the methods of transforming one class into another, are discussed. The experimental processes and the reasoning employed in determining constitutional or structural formulas are considered, and an attempt is made to trace the influence of organic investigations on the development of general chemistry.

Laboratory Work, Dr. Kohler and Miss Clifton. *Four hours a week.*

The laboratory work is devoted to organic preparations. A few simple substances are first studied with care. These are then transformed in a variety of ways to illustrate the relations on which the method of classifying organic compounds is based. Finally the same substances are used as material with which to build up more complex compounds in order to illustrate the synthetical methods by which the complicated organic compounds occurring in nature can be prepared in the laboratory.

Group: Chemistry with Mathematics, *or* with Physics, *or* with Geology, *or* with Biology.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Organic Chemistry, selected topics, Dr. Kohler.

Three hours a week throughout the year.

(*Given in* 1911–12 *and again in* 1913–14.)

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general, the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

Inorganic Chemistry, Dr. Getman. *Three hours a week throughout the year.*

(*Given in* 1912–13 *and again in* 1914–15.)

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry and to lay a foundation for independent work in this subject. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

The laboratory work includes the calibration of instruments; the preparation of pure substances; advanced quantitative analysis, comprising the elements of gas and water analysis; and such physico-chemical measurements as the needs of the individual student may indicate.

GRADUATE COURSES.

Graduate Courses.

Six hours a week of seminary work and graduate lectures are offered each year to graduate students of chemistry accompanied by the direction of private reading, laboratory work, and original research. The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Kohler, or in inorganic and physical chemistry, under the direction of Dr. Getman, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of their minor subjects. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to three hours a week may be elected by graduate students.

Chemical Seminary, Organic Chemistry, Dr. Kohler.

One hour a week throughout the year.

(*Given in each year.*)

The students who specialise in organic chemistry present formal reports upon assigned topics.

Chemical Seminary, Inorganic Chemistry, Dr. Getman.

One hour a week throughout the year.

(*Given in each year.*)

The course consists of lectures, required reading, and reports on various topics. Modern determinations of atomic weight, the constitution of the chromic chlorides, the separation of the rare earths and radio-activity have been among the subjects treated. The needs of the individual students are considered in selecting the subjects for discussion.

Physical Chemistry, Dr. Getman. *Three hours a week throughout the year.*

(*Given in* 1911–12 *and again in* 1913–14.)

The lectures give a general survey of the subject, including the laws of gases, the elements of thermodynamics, the theory of solutions, chemical kinetics, equilibria and thermochemistry and electro-chemistry. The laboratory work in connection with the course includes the determination of specific gravities of solids and liquids, the molecular weights of vapors and dissolved substances, the study of reaction velocities, calorimetry, and electrochemical measurements.

Advanced Organic Chemistry, Dr. Kohler.

Three hours a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

Chemical Journal Club, Dr. Kohler and Dr. Getman.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology, Dr. Chester Albert Reeds, Associate in Geology, and Dr. Thomas Clachar Brown, Associate (elect) in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, three free elective courses of one and two hours a week respectively, five post-major courses of three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and six graduate courses of five and three hours a week respectively.

The first year of the major course in geology is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The purpose of the course is to make clear to the student the present constitution, form, and evolution of the earth's crust, to promote keen and accurate observation of natural phenomena, and to give some insight into the nature of geological problems.

The second year of the major course deals with the rocks and minerals of the earth's crust, and also affords training in structural geology.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United

States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia. Within easy reach of the college are good collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(Minor Course.)

1*st Semester.* *(Given in each year.)*

Major Course

Physiography, Dr. Bascom. *Five hours a week.*
Field Work, Dr. Bascom. *Two hours a week.*
Laboratory Work, Dr. Bascom. *Two hours a week.*

The lectures first deal with the character and action of the forces which control the landscape; subsequently the features produced by these physiographic processes are treated; finally physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographical relief models, and maps. No text-book is used, but standard manuals are accessible for reference.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted with the use of Davis' *Atlas for Practical Exercises in Physical Geography* assisted by models, photographs, topographic maps, and natural illustrations.

For the field work, excursions are made into the immediate neighborhood on Mondays from 2 to 5 P.M. during the autumn and spring. As the course progresses, more extended excursions may be taken among the crystalline rocks of the South Mountain Range or the fossiliferous formations of the Coastal Plain. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Reading amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2*nd Semester.*

Introduction to Historical Geology, Dr. Brown. *Five hours a week.*
Field Work, Dr. Brown. *Two hours a week.*
Laboratory Work, Dr. Brown. *Two hours a week.*

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution. In 1911–12 this course was given by Dr. Reeds.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves frequent excursions to fossiliferous localities in the paleozoic formations of Pennsylvania, the mesozoic and cenozoic formations of New Jersey, and to natural history museums in Philadelphia and New York.

SECOND YEAR.

1*st Semester.* *(Given in each year.)*

Megascopic Petrology, Dr. Brown. *Five hours a week.*
Field Work, Dr. Brown. *Two hours a week.*
Laboratory Work, Dr. Brown. *Two hours a week.*

The lectures discuss the materials which constitute the earth's crust; the chief precious stones, the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. In 1911–12 this course was given by Dr. Reeds.

In the laboratory crystal forms, rock-forming minerals, and rock types are systematically studied.

Field excursions are made to mineral localities in the vicinity of the college.

2nd Semester.

Glaciology and Structural Geology, Dr. Bascom. *Five hours a week.*

Field Work, Dr. Bascom. *Two hours a week.*

Laboratory Work, Dr. Bascom. *Two hours a week.*

The lectures treat of the conditions, work, and origin of the glacial period, the development of man, the causes and effects of crustal movements, and hypotheses of the origin and age of the earth. The course is illustrated with models, photographs, and lantern slides.

In the laboratory topographic maps and models illustrating features due to glaciation and maps and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Mathematics, *or* with Physics, *or* with Chemistry, *or* with Biology.

FREE ELECTIVE COURSES.

Free Elective Courses.

Cosmogony, Dr. Bascom. *One hour a week throughout the year.*

(*Given in* 1912–13 *and in each succeeding year if the time of the department permits.*)

The work of the course will be conducted by means of lectures, required reading and class-room discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Lectures on Meteorology, Dr. Reeds. *Two hours a week during the first semester.*

(*Given in* 1911–12.)

The course consists of lectures on atmospheric phenomena illustrated by a selected series of lantern slides. Weather maps and forecasts are received daily from Washington and Philadelphia and by means of these weather conditions in the United States are studied and observations are made on phenomena attending storms.

Lectures on Oceanography, Dr. Reeds.

Two hours a week during the second semester.

(*Given in* 1911–12.)

The course consists of a study of the ocean. The lectures treat of the temperatures, salinity, movements, life, and sedimentation of the ocean. They are illustrated by lantern slides.

Evolution of the Vertebrates, Dr. Brown.

Two hours a week during the first semester.

(*Given in* 1912–13 *and in each succeeding year.*)

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the beginning of the Cenozoic era. The vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals.

Evolution of the Mammals, Dr. Brown.

Two hours a week during the second semester.

(*Given in* 1912–13 *and in each succeeding year.*)

This course is a continuation of the preceding. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment, including the geographic physiographic, and climatic factors as well as the surrounding animal and plant life.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Petrography, Dr. Bascom.

Three hours a week throughout the year.

(*Given in each year.*)

During the first semester the lectures deal with the principles of optical crystallography the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Levy are used for reference. Special field problems are given to the students for independent solution.

Invertebrate Paleontology, Dr. Brown.

Three hours a week during the first semester.

(*Given in* 1912–13 *and in each succeeding year.*)

The course presupposes a knowledge of historical geology. A systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other as bearing on their origin and on the theory of evolution. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutes in Philadelphia.

Vertebrate Paleontology, Dr. Brown.

Three hours a week during the second semester.

(*Given in* 1912–13 *and in each succeeding year.*)

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrated organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life.

Economic Geology, Dr. Brown. *Three hours a week during the first semester.*

(*Given in* 1913–14.)

The lectures deal with the properties, occurrence, distribution, production, value, etc., of the more important non-metallic minerals such as coal, petroleum, building stones, clay, lime, calcareous cements, salines, gypsum, fertilizers, abrasives, asbestos, graphite, precious stones, and underground waters. The metallic ores such as iron, copper, lead, and zinc, silver-lead, gold and silver, and the minor metals will also be considered.

The Nature of Ore Deposits. *Three hours a week during the second semester,*

(*Given in* 1913–14.)

The theories as to the origin of ore bodies and the nature of their occurrence in the more important mines of the world will be considered.

GRADUATE COURSES.

Graduate Courses.

The graduate courses in petrology and mineralogy should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is also intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. The graduate courses in paleobotany, stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology or paleobotany a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialise either in petrology and mineralogy, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. Reeds or Dr. Brown, but students who make petrology and mineralogy the major subject of examination must take stratigraphic geology and paleontology as one of the minor subjects and students who make stratigraphic geology and paleontology the major subject, must take petrology as one of the minor subjects.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology, Dr. Bascom. *One hour a week throughout the year.*

(*Given in each year.*)

This seminary will be conducted by means of informal discussions, required reading, and formal reports. The selection of subjects for discussion will depend upon the needs of the individual students.

Seminary in Stratigraphic Geology and Paleontology, Dr. Brown.

One hour a week throughout the year.

(Given in each year.)

The students who specialise in stratigraphic geology and paleontology present formal reports upon assigned topics.

Petrology, Dr. Bascom.

Five hours a week throughout the year.

(Given in each year.)

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution, and geologic occurrence of metamorphic rocks are treated. Direction is given in research work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Mineralogy, Dr. Bascom.

Three hours a week throughout the year.

(Given in each year.)

Both the lectures and laboratory practice deal with crystal measurement by means of the two-circle goniometer, with crystal projection, and crystal drawing.

The works of Goldschmidt, Hintze, Groth, Tschermak, and Dana are used as reference books.

Paleobotany, Dr. Brown.

Three hours a week during the first semester.

(Given in each year.)

The lectures deal with the principles of modern botany and geology and the application of these principles to the plant remains which have been found buried in the rocks of all ages. Particular attention will be given to the structure and modes of preservation of fossil plants, the seven prominent ages of plants and the past histories of plant families.

Stratigraphic Geology and Paleontology of North America, Dr. Brown.

Three hours a week during the second semester.

(Given in each year.)

The lectures deal with the principles of sedimentation; the petrologic character, distribution, faunal contents and geologic succession of the formations of North America. The limits of the various faunal provinces will be established so far as possible and the sediments deposited in the various epicontinental seas correlated. The diastrophic movements which threw the formations into folds producing mountain ranges and basins will receive special attention.

Stratigraphic Geology and Paleontology of Europe, Dr. Brown.

Three hours a week during the first semester.

(Given in each year.)

The lectures deal with the petrologic character, distribution, faunal contents, and geologic succession of the formations of Europe. The various epicontinental seas which were the chief areas of deposition and the diastrophic movements which separated off epoch from epoch, period from period, era from era and folded the formations in certain places producing mountains and basins will be discussed in their proper connections.

Paleogeography, Dr. Brown. *Three hours a week during the second semester.*

(Given in each year.)

The lectures deal with all phenomena that throw light upon the extent, the relief, the climate and the life of the lands and seas of geologic time. Special attention will be given to the positive and negative movements of the strand line, the development of epicontinental seas, the distribution of atmospheric and oceanic currents, climatic changes, food supply, faunal provinces, and the effect of seas and barriers upon the distribution and migration of plants and animals. In the laboratory a number of the exercises will deal with the making of paleographic maps and models.

Geological Journal Club, Dr. Bascom, Dr. Reeds, Dr. Brown.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent,* Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens,† Associate in Experimental Morphology, Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany, and Miss Abigail Camp Dimon, Reader in Biology. The instruction offered in biology covers twenty-two hours of lectures a week; it includes ten hours a week of undergraduate minor and major work; one hour a week of free elective work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in biology, and four hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is very desirable for students entering any course in biology, and is necessary for advanced work in the subject.

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* Granted leave of absence for the year 1911–12.

† Died May 4, 1912.

First Year.

(*Minor Course.*)

1st Semester. (*Given in each year.*)

Major Course.

Lectures on General Biology, Dr. Tennent.* *Four hours a week.*

This course was given by Miss Dimon in 1911–12.

Lectures on Plants, Dr. Randolph. *One hour a week.*

Laboratory Work, Dr. Tennent,* Miss Dimon, and Dr. Randolph. *Four hours a week.*

2nd Semester.

Lectures on Vertebrates, Dr. Warren. *Three hours a week.*

This course is given five hours a week during approximately the first nine weeks of the semester.

Lectures on the Embryology of the Chick, Dr. Tennent.* *Two hours a week.*

The lectures on embryology follow the lectures on vertebrates, and are given five hours a week throughout the remainder of the semester.

This course was given by Miss Dimon in 1911–12.

Laboratory Work, Dr. Tennent,* Dr. Warren, Miss Dimon, and Dr. Randolph. *Four hours a week.*

It is the object of this course to give the student clear conceptions of the fundamental principles of vital structure and action, the outlines of general classification, and the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The course in the first semester deals especially with the lower forms of life, the relations of plants and animals, and the more general principles of the science. The course in the second semester is devoted more largely to the higher forms of animal life, with special reference to physiology.

The work is designed not simply to teach the elements of zoology and botany, as commonly understood, but in addition to this to treat plants and animals with constant reference to one another, both in their structure and in their mode of action. Stress is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiæ of classification. At the same time the work is arranged with reference to subsequent special work in zoology, botany, and physiology.

In the first semester the student examines a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. After certain general preliminary studies of familiar and highly organised forms, the student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher plants and animals. In the second semester attention is given mainly to the biology of the higher animals. The course ends with a study of the embryology of the frog and, in greater detail, that of the chick.

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* Granted leave of absence for the year 1911–12.

SECOND YEAR.

1st Semester. *(Given in each year.)*

Animal Physiology, Dr. Warren. *Five hours a week.*

Laboratory Work, Dr. Warren and Dr. Randolph. *Four hours a week.*

A knowledge of scientific physiology is conveyed by a detailed account of the microscopic structure and the mode of working of the higher animal organisms. The application of this knowledge to hygiene, medicine, and psychology is indicated.

The chief organs and tissues of the vertebrate body are examined with the microscope. The fundamental facts of physiology and the methods of physiological inquiry are taught by means of demonstrations and experiments by the students. The laboratory has a good equipment of apparatus, to which additions are constantly made.

2nd Semester.

General Zoology, Dr. Tennent. *Two hours a week.*

The course in general zoology extends the work of the first year so as to include a survey of the phenomena of animal life and a systematic presentation of the more important facts of general morphology. This course was given by Miss Dimon in 1911–12.

Comparative Anatomy of Mammals, Selected topics, Dr. Warren. *Two hours a week.*

Theoretical Biology, Dr. Tennent. *One hour a week.*

In this course the student is introduced to some of the leading questions of theoretical general biology. The first part of the course treats of the history of biological discovery with special reference to the development of the more important generalisations and theories of the science. The latter part is mainly devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary somewhat from year to year, and are intended to be suggestive rather than exhaustive in character. This course was given by Miss Dimon in 1911–12.

Laboratory Work, Dr. Tennent, Dr. Warren, Miss Dimon, and Dr. Randolph. *Four hours a week.*

In the laboratory thorough dissections are made of typical forms, illustrating the leading groups of animals. A portion of the course is devoted to a study of the sense organs.

Group: Biology with Mathematics, *or* with Physics, *or* with Chemistry, *or* with Geology.

FREE ELECTIVE COURSES.

Free Elective Courses.

Theoretical Biology, Dr. Tennent. *One hour a week throughout the year.*

(Given in 1912–13 *and again in* 1914–15.)

This is a historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Heredity and Eugenics, Dr. Stevens.*

One hour a week during the first semester.

(*Given in* 1912-13.)

This is a course of lectures on Eugenics from a strictly biological standpoint. The course will begin with a study of heredity in lower forms. Our present knowledge of human heredity will then be discussed in its relation to eugenic marriages and the future of the race and the nation. An attempt will also be made to assist in gathering such data on human heredity as will be of value in placing eugenic teaching on a more adequate scientific basis.

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* Died May 4, 1912.

The course is open to students who have had one year of biological training. This course is followed by a course in Euthenics given by Dr. Parris, one hour a week during the second semester. See page 142.

Birds, Dr. Randolph. *One hour a week during the second semester.*

(*Given in* 1911-12.)

This course consists of lectures, the examination of museum specimens, and the study of habits, distribution, migration, etc., of birds. The required laboratory work of one and one half hours a week will consist of field excursions.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Embryology of Vertebrates, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1912–13 *and again in* 1914–15.)

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick and Pig. At least five hours of laboratory work will be required.

The course is divided as follows: First semester—Embryology of Vertebrates (*a.*) Early stages of development. Second semester—Embryology of Vertebrates (*b*). Organogeny.

Advanced Zoology, Dr. Tennent. *One hour a week during the first semester.*

(*Given in* 1913–14.)

This course of lectures, assigned reading and laboratory work is intended to supplement the major course in zoology and must precede the post-major course in cytology. It is designed as a beginning research course. The course has varied from year to year, the molluscs, protochordates, and echinoderms having in turn served as the basis of study. If the student is sufficiently prepared, some problem in animal morphology will be assigned. At least four hours of laboratory work will be required.

Advanced Physiology, Dr. Warren. *One hour a week throughout the year.*

(*Given in each year.*)

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation. In suitable cases and by special permission of the instructor this course may be extended by laboratory work and private reading. In this way it may be made equivalent to a course of two or three hours a week.

Lectures on the Structure and Function of the Central Nervous System, Dr. Warren. *One hour a week throughout the year.*

(*Given in each year.*)

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry, Dr. Warren.

Two hours a week throughout the year.

(Given in each year.)

The instruction in this course is given by lectures and conferences on selected topics and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry at least equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology, Dr. Warren. *One hour a week throughout the year.*

(Given in each year.)

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Protoplasm, the Cell, and Cytological Technique, Dr. Stevens.*

One hour a week during the second semester.

(Given in each year.)

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. To be taken as a two hour course with four hours laboratory.

Experimental Morphology, Dr. Stevens.* *One hour a week throughout the year.*

(Given in each year.)

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behavior of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and De Vries Oenothera mutants. This course may, in exceptional cases, be taken as a one hour course with one and a half hours laboratory work or assigned reading, but it is recommended that it be taken with four or six and a half hours laboratory work as a two or three hour course.

Laboratory Work, Dr. Tennent, Dr. Warren and Dr. Stevens.*

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to seven hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in animal physiology under the guidance of Dr. Warren.

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* Died May 4, 1912.

The Evolution of Organisms, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1912–13.)

The lectures deal with the growth of the idea of organic evolution. The course is historical in character; when previously given much time was devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

Embryology of Echinoderms, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1913–14.)

Embryology of Invertebrates, Dr. Tennent.

One hour a week throughout the year.

(*Given in* 1914–15.)

The embryology of invertebrates with special reference to germinal organisation, cleavage and differentiation, and to the problems of inheritance and development is studied. This course varies in accordance with the needs of the students in the department.

An Introduction to the History and Literature of Animal Physiology, Dr. Warren. *One hour a week during the first semester.*

(*Given in* 1911–12.)

The Problem of the Knee-jerk, and a discussion of the graphic method in its application to physiology, Dr. Warren.

One hour a week during the second semester.

(*Given in* 1911–12.)

Selected Problems of Nutrition with special reference to recent discussions of standard diets, Dr. Warren. *One hour a week throughout the year.*

(*Given in* 1912–13.)

The Interstitial Secretion of Glands ("Internal Secretion"), Dr. Warren.

One hour a week during the first semester.

(*Given in* 1913–14.)

Selected Problems in Respiration and their bearing on the nature of metabolism, and the problem of animal heat (Thermometry and Calorimetry), Dr. Warren. *One hour a week during the second semester.*

(*Given in* 1913–14.)

Cytology, Dr. Stevens.* *One hour a week throughout the year.*

(*Given in each year.*)

The course deals with the anatomy of the cell, and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention will be given to the phenomena of karyokinesis and sexual reproduction and the theories connected therewith. Considerable time will be devoted to the consideration of problems in insect spermatogenesis.

Advanced Experimental Morphology: Mendelism and Eugenics, Dr. Stevens.* *One hour a week during the first semester.*

(*Given in* 1911–12.)

The course includes a full discussion of Mendel's principles of heredity, and modern genetics, followed by a consideration of eugenics from the Mendelian standpoint.

Biometry, Selection, and the Pure Lines of Johannsen, Dr. Stevens.* *One hour a week during the second semester.*

(*Given in* 1911–12.)

Biometrical methods of value to students of zoology, botany, and physiology will be studied in this course. The Pure Lines of Johannsen will be discussed in connection with the application of biometry to the study of evolution.

Sex-Determination, and Some Problems in Regeneration.† *One hour a week during the first semester.*

(*Given in* 1912–13 *and again in* 1914–15.)

The literature and theories of sex determination will be discussed; and some of the theoretical problems connected with recent studies on regeneration will be considered.

The Mutation Theory and Germinal Localisation.† *One hour a week during the second semester.*

(*Given in* 1912–13 *and again in* 1914–15.)

The experimental work of De Vries, MacDougal, Tower and others will be made use of in discussing the mutation theory of the *Origin of Species*, special attention being devoted to the details of the experiments and to the methods employed. Experiments on the fertilised and unfertilised egg, not included in the courses on embryology, will be discussed under the topic Germinal Localisation.

By request of students registering for the course in experimental morphology, one or both courses offered in 1911–12 may be substituted for those offered for 1912–13.

Biological Journal Club, Dr. Tennent, Dr. Warren and Dr. Stevens.* *One hour a week throughout the year.*

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent, Dr. Warren and Dr. Stevens.*

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

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* Died May 4, 1912.

† To be given by an instructor whose appointment will be announced later.

Department of Health and Hygiene.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, the Director of Athletics and Gymnastics, and the Physicians of the College.

Every undergraduate student and hearer must be examined each year by the Assistant Physician of the College, and twice each year by the Director of Athletics and Gymnastics with reference to physical development, strength of heart and lungs, and general health. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year. Students who cannot furnish evidence of successful vaccination within a period of two years are vaccinated by the college physicians.

Eminent specialists practising in Philadelphia whose names may be found in the list of academic appointments have consented to serve as consulting physicians of the college. The Assistant Physician will be in her college office during the hours from four to six of every afternoon except Sunday and may be consulted by the students without charge.

All students who are not under the special care of the attending physicians on account of illness are under the immediate care of the Director of Athletics and Gymnastics. She receives the reports of students on the special supervision list, keeps careful records of the health of all students and endeavors by lectures, interviews, personal advice, exercise, and general hygiene to maintain and improve the health of the students. A course of six lectures on personal and community hygiene is given each year which freshmen are required to attend.

The infirmary fee of $10.00* paid by every resident student entitles her to be cared for five days during the year without extra charges for infirmary fee, nurses fees, or doctor's fees, and also to the services of the nurses employed by the college during temporary indisposition provided the nurses are free at the time. In the case of more than five days' illness not of an infectious character and of all diseases of an infectious character the student must meet or share the expense of a special nurse, the infirmary fees, and also hospital or sanitarium charges for board and residence should she be removed from the college by order of the Physician in Chief. The physician's fees in all cases except during the five days specified above and for consultations with the Assistant Physician during her office hours must be paid by the student.

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* See footnote, page 77.

A special nurse for one student costs $4.80 a day or $30.60 a week. The infirmary fee is $2.00 a day. When a student has not an infectious disease the infirmary fee of $2.00 a day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. It is often possible for two or three students to be nursed by one extra nurse at the same time, thus reducing the fee for nursing.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will also excuse students for absence on account of illness before and after vacations and from attendance on academic work.

Athletics and Gymnastics.

The exercise of the students is under the care of Miss Constance M. K. Applebee, Director of Athletics and Gymnastics, and Miss Elizabeth L. Gray, Assistant Director of Athletics and Gymnastics.

The gymnasium (see page 184) is open for the use of students from 7 A.M. to 10 P.M. daily. Four periods of exercise a week are required of all resident and non-resident undergraduate students and hearers throughout the year. From December first till April first attendance twice a week in the gymnasium is compulsory for all resident and non-resident undergraduate students and hearers. Students may take part during the year in the following forms of exercise which are organised by the Athletic Association under the supervision of the Director: in the autumn, tennis and hockey; in the winter, water polo, swimming meet, fencing, and indoor track athletics; in the spring, basketball, track, and tennis. All students are required to take six lessons in swimming each semester until able to satisfy the required test. No undergraduate student will be excused from the required exercise except by order of the

Director of Athletics and Gymnastics. Special exercises are prescribed for students needing individual corrective work, and these are taken in addition to the regular class work. Every student while exercising in the gymnasium must wear a gymnasium suit of the pattern prescribed by the Director.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighborhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological Seminaries, containing collections of photographs, vases, and coins. The main building contains the Reference Book Room, the Semitic Languages Seminary, the Christian Association Library, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain fourteen seminary rooms and twenty-five professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art, Archæology, German, French, Italian and Spanish, and Philosophy in the north wing; Mathematics, History, Economics and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, and five interview rooms.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, the Students' Association for Self-Government, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A.M. till

10 P.M. and on Sundays from 2 P.M. till 10 P.M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

Around Taylor Hall the trustees have erected halls of residence for the accommodation of students. Plans and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in Part 4 of the Bryn Mawr College Calendar to be obtained from the Secretary of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East, and rooms where the students can have hairdressing and dressmaking done, and a club and luncheon-room for non-resident students in Rockefeller Hall.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnæ and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 A.M. till 10 P.M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnæ, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary wash-stands and tea pantries.

The Delaware and Atlantic Telegraph and Telephone Company, a branch of the long-distance Bell Telephone Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A.M. to 12 P.M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1] p., O. Baltimore, The Friedenwald Company. 1896.

BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidæ, Jassidæ, Cercopidæ and Fulgoridæ. p. 470-512, O. 9 pl. Baltimore, 1907.

Reprint from *Journal of Experimental Zoölogy*, vol. 4, No. 4.

BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Macon, Protat Frères, 1905.

Reprint from *Revue Hispanique*, t. xii.

BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1] p., O. Baltimore, The Friedenwald Company. 1901.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.

BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.

Revised reprint from *Journal of Morphology*, vol. 9, No. 2.

BYRNES, ESTHER FUSSELL. The Maturation and Fertilisation of the Egg of Limax Agrestis (Linné). p. 201-236+[1] p., O. Boston, Ginn and Company, publishers. The Athenæum Press. 1899.

Reprint from *Journal of Morphology*, vol. 16, No. 1.

CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

COULTER, CORNELIA CATLIN. Retractatio in the Ambrosian and Palatine Recensions of Plautus. A study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus. 118 p., O. Bryn Mawr, Pennsylvania, 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.

DUDLEY, LOUISE. The Egyptian Elements in the Legend of the Body and Soul. 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.

Ellis, Ellen Deborah. Introduction to the History of Sugar as a Commodity. 117 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 4.

Emery,* Annie Crosby. The Historical Present in Early Latin. 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

Evers, Helen Margaret. Critical edition of the discours de la vie de Pierre de Ronsard, par Claude Binet. iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 2.

Franklin, Susan Braley. Traces of Epic Influence in the Tragedies of Æschylus. 81 p., O. Baltimore, The Friedenwald Company. 1895.

Gentry, Ruth. On the Forms of Plane Quartic Curves. [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

Hall, Edith Hayward. The Decorative Art of Crete in the Bronze Age. 47 p. 3 pl. Philadelphia, The John C. Winston Co. 1907.

Reprint in part from *Transactions of the Department of Archæology of the University of Pennsylvania*, vol. 2, part 1. 1906.

Harper, Carrie Anna. The Sources of the British Chronicle History in Spenser's Faerie Queene. p. 190, O. Philadelphia, The John C. Winston Co. 1910.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vii.

Hussey, Mary Inda. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.

Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.

King, Helen Dean. The Maturation and Fertilisation of the Egg of Bufo Lentiginosus. p. 293-350, O. Boston, Ginn and Company, publishers. The Athenæum Press. 1901.

Reprint from *Journal of Morphology*, vol. 17, No. 2.

Laird, Elizabeth Rebecca. The Absorption Spectrum of Chlorine. p. 85-115, O.

Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.

Leftwich,† Florence. *La Vie Seint Edmund le Rei.* An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.

Lord, Eleanor Louisa. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial experiments in the British colonies of North America. 10+154 p., O.

Johns Hopkins University Studies, Extra volume, 17. Baltimore, 1898.

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* Mrs. Francis Greenleaf Allinson.

† Mrs. S. Prioleau Ravenel.

Lowater, Frances. The Spectra of Sulphur Dioxide. p. 324-342, O.
Reprint from the *Astrophysical Journal*, vol. 23, No. 4, May, 1906.

Lyon,* Dorothy Wilberforce. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192.
American Journal of Philology, vol. 19. 1898.

MacDonald, Margaret Baxter. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.

Maddison, Isabel. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.
Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.

Martin, Emilie Norton. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *American Journal of Mathematics*, vol. 23, No. 3.

Neilson, Nellie. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.

Nichols, Helen Hawley. The composition of the Elihu Speeches, Job Chaps. XXXII-XXXVII. 95 p., O. 1911.
Reprint from *American Journal of Semitic Languages and Literature*, vol. 28, No. 2. January, 1911.

Ogden, Ellen Seton. The origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.

Parris, Marion. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.

Peebles, Florence. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelman. 1900.

Peebles, Rose Jeffries. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ix.

Perkins,† Elizabeth Mary. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C. Printed by Judd and Detweiler. 1904.

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* Mrs. Emmons Bryant.

† Mrs. Eric C. W. S. Lyders.

Ragsdale, Virginia. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.

Reprint from *American Journal of Mathematics*, vol. 28, No. 4.

Reimer, Marie. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.

Reynolds, Grace Potter. The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoxyl Groups. 29 p., O. Eschenbach Printing Co., Easton, Pa., 1901.

Ritchie, Mary Helen. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.

Schaeffer,* Helen Elizabeth. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl. O. 1908.

Reprint from *Astrophysical Journal*, vol. 28, 1908.

Stevens,† Nettie Maria. Further Studies on the Ciliate Infusoria, Licnophora and Boveria. 45 p. 6 pl., O. 1903.

Reprint from *Archiv für Protistenkunde*, Bd. iii.

Stites, Sara Henry. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.

Sweet, Marguerite. The Third Class of Weak Verbs in Primitive Teutonic with special reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.

Traver, Hope. The Four Daughters of God. A Study of the Versions of this Allegory, with especial reference to those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.

Urdahl,‡ Margerethe. On certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

Warren,§ Winifred. A Study of Conjunctional Temporal Clauses in Thukydides. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.

Willis, Gwendolen Brown. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press. 1905.

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* Mrs. William Bashford Huff.

† Deceased, May, 1912.

‡ Mrs. Lewis Albert Anderson.

§ Mrs. George Arthur Wilson.

SCHEDULE OF LECTURES,

HOUR	COURSE	MONDAY	TUESDAY
9	MATRICULATION	Greek (Kirk) German (Ehlers) French (Hopp)	Greek (Kirk) German (Ehlers) French (Hopp)
	GENERAL	Philosophy (T. de Laguna)	Psychology (Leuba)
	MINOR	Greek, Plato (Sanders) French Literature (Cons) Greek and Roman Architecture Mathematics, Conics (Scott) Chemistry (Kohler)	Greek, Homer (Wright) French Reading (Schinz) Vase Painting Mathematics, Trigonometry (H. S. H Chemistry (Kohler)
	MAJOR	German Literature (Jessen) Comparative Literature, Modern Drama (Hatcher) Modern History, The Renaissance (Haring) Ancient History, Age of Pericles (Ferguson)	German, Faust (Jessen) Modern History, British Imperialis (Smith) Ancient History, Julius Caesar (Ferg son)
	ELECTIVE	Biology, Theoretical (Tennent)	Physics, Physical Basis of Music (W. Huff)
	GRADUATE	Physics (W. B. Huff) Geology (T. C. Brown)	Geology (Bascom)
10	GENERAL	English Lit., 2nd yr. (Donnelly)	Eng. Comp. 2nd yr.
	MINOR	German Grammar (Lasch) Spanish (DeHaan) Comparative Literature, Renaissance Lyrics (Hatcher) History since 1799, Div. A (Haring) Div. B (Cleveland) Biology (Tennent)	German Literature(Jessen) Spanish (DeHaan) Comparative Literature, Culture of t Renaissance (G. G. King) History of the Reformation (Smith) History of England since 1066 (Clev land) Biology (Tennent)
	MAJOR	Philosophy, Empiricism and Rationalism (G. de Laguna) Geology (T. C. Brown)	Geology (T. C. Brown)
	ELECTIVE		Pragmatism (T. de Laguna) Mathematics Preparatory to Science (S. Huff)
	POST-MAJOR	Physics (Barnes) Chemistry (Getman)	
11	GENERAL	English Lit., 1st yr. (Donnelly)	Eng. Comp., 1st yr.
	MINOR	Mid. Eng. Romances (C. F. Brown) Ancient History, Oriental (Barton) Economics, Introd. to Economics, Div. A (Parris) Div. B (Hudson) Philosophy, Problems in (T. de Laguna) Physics (W. B. Huff)	English Poetry (Donnelly) Ancient History, Classical (Ferguson) Politics, Problems in, Div. A (Hudson) Div. B ( ) Psychology (Leuba) Physics (W. B. Huff)
	MAJOR	Latin, Tacitus (Wheeler) English, Classical and Romantic Prose (Upham) Spanish Reading (DeHaan) Mathematics (Conner) Chemistry (Getman)	Latin Literature (Frank) Italian (Holbrook) Spanish Literature (DeHaan) Mathematics (Conner) Chemistry (Getman)
	ELECTIVE		Methods of Social Research (Parris)
	POST-MAJOR	Petrography (Bascom)	Biology (Warren)
	GRADUATE	Systematic Psychology (Ferree)	
12	MINOR	Latin Composition, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler) English, 19th Century Critics (Upham) Italian (Holbrook) History of Art, Italian Renaissance Painting (G. G. King) Geology (Bascom)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson) English, Anglo-Saxon (C. F. Brown) Italian (Holbrook) History of Art, Renaissance Sculpt (G. G. King) Geology (Bascom)
	MAJOR	Greek, Demosthenes (Sanders) French Literature (Schinz) History, French Revolution (Cleveland) Economics and Politics, History of Economic Thought, Div. A (Parris) Div. B (Hudson) Physics (Barnes) Biology (Warren)	Greek Literature (Wright) French Reading (Cons) History, United States from 1865 (Smi Economics and Politics, Social Politi Div. A (Hudson) Div. B ( ) Physics (Barnes) Biology (Warren)
	ELECTIVE		Descriptive Astronomy (Conner)
	GRADUATE	Chemistry (Kohler)	Cytology

FIRST SEMESTER, 1912–13.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Ehlers) French (Hopp)	Greek (Kirk) German (Ehlers) French (Hopp)	Greek (Kirk) German (Ehlers) French (Hopp)
Philosophy (T. de Laguna)	Psychology (Leuba)	Philosophy (T. de Laguna)
Greek, Plato (Sanders) French Reading (Cons) Greek and Roman Architecture Mathematics, Conics (Scott) Chemistry (Kohler)	Greek, Homer (Wright) French Composition (Schinz) Mathematics, Trigonometry (H. S. Huff) Chemistry (Kohler)	Greek Composition (Sanders) French Literature (Cons) Greek and Roman Architecture Mathematics, Conics (Scott) Chemistry (Kohler)
German Composition and Reading (Lasch)	German, Faust (Jessen)	German Literature (Jessen)
Comparative Literature, Modern Drama, (Hatcher) Modern History, The Renaissance (Haring) Ancient History, Age of Pericles (Ferguson)	Modern History British Imperialism (Smith) Ancient History, Roman Life (Frank)	Comparative Literature, Modern Drama (Hatcher) Modern History, The Renaissance (Haring) Ancient History, the Age of Pericles, (Ferguson)
Geology, Evolution of Vertebrates (T. C. Brown)	New Testament Canon (Barton) Geology, Cosmogony (Bascom)	Geology, Evolution of Vertebrates (T. C. Brown)
Physics (W. B. Huff)	Physics, Sem. and J. Club (W. B. Huff and Barnes) Biology, Journal Club (Tennent, Warren)	Physics (W. B. Huff)
English Lit., 2nd yr. (Donnelly)	Eng. Comp., 2nd yr.	English Lit., 2nd yr. (Donnelly)
German (Lasch) Spanish (DeHaan) Comparative Literature, Renaissance Lyrics (Hatcher) History since 1799, Div. A (Haring) Div. B (Cleveland)	German Literature (Jessen) Spanish (DeHaan) Comparative Literature, Culture of the Renaissance (G. G. King) History of the Reformation (Smith) History of England since 1066 (Cleveland)	German, (Lasch) Spanish (DeHaan) Comparative Literature, Renaissance Lyrics (Hatcher) History since 1799, Div. A (Haring) Div. B (Cleveland)
Biology (Tennent)	Biology (Tennent)	Biology (Tennent)
Philosophy, Empiricism and Rationalism (G. de Laguna) Geology (T. C. Brown)	Psychology, Experimental (Ferree) Geology (T. C. Brown)	Philosophy, Empiricism and Rationalism (G. de Laguna) Geology (T. C. Brown)
Fundamental Theorems of Mathematics (Scott)	Mathematics Preparatory to Science (H. S. Huff)	
Physics (Barnes) Chemistry (Getman)		Physics (Barnes) Chemistry (Getman)
English Lit., 1st yr. (Donnelly)	Eng. Comp., 1st yr.	English, 1st yr. (Donnelly)
Mid. Eng. Romances (C. F. Brown) Ancient History, Oriental (Barton) Economics, Introduction to Div. A (Parris) Div. B (Hudson) Philosophy, Problems in (T. de Laguna) Physics (W. B. Huff)	English Poetry (Donnelly) Ancient History, Classical (Ferguson) Politics, Problems in Div. A (Hudson) Div. B Psychology (Leuba) Physics (W. B. Huff)	Mid. Eng. Romances (C. F. Brown) Ancient History, Oriental (Barton) Economics, Introduction to Div. A (Parris) Div. B (Hudson) Philosophy, Problems in (T. de Laguna) Physics (W. B. Huff)
Latin, Tacitus (Wheeler) English, Classical and Romantic Prose (Upham) Spanish Grammar (De Haan) Mathematics (Conner Chemistry (Getman)	Latin Literature (Frank) Italian (Holbrook) Spanish Literature (De Haan) Mathematics (Conner) Chemistry (Getman)	Latin, Tacitus (Wheeler) English, Classical and Romantic Prose (Upham) Spanish Reading (De Haan) Mathematics (Conner) Chemistry (Getman)
	Methods of Social Research (Parris)	
Petrography (Bascom)	Biology (Tennent)	Petrography (Bascom)
Systematic Psychology (Ferree)		Systematic Psychology (Ferree)
Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler) English, 19th Century Critics (Upham) Italian (Holbrook) History of Art, Italian Renaissance Painting (G. G. King) Geology (Bascom)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson) English, Anglo-Saxon (C. F. Brown) Italian (Holbrook) History of Art, Renaissance Sculpture (G. G. King) Geology (Bascom)	Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler) English, 19th Century Critics (Upham) Italian (Holbrook) History of Art, Italian Renaissance Painting (G. G. King) Geology (Bascom)
Greek, Aristophanes (Sanders) French Reading (Schinz) History, French Revolution (Cleveland) Economics and Politics, History of Economic Thought, Div. A (Parris) Div. B (Hudson) Physics (Barnes) Biology (Warren)	Greek Literature (Wright) French Composition (Cons) History, United States from 1865 (Smith) Economics and Politics, Social Politics Div. A (Hudson) Div. B ( ) Physics (Barnes) Biology (Warren)	Greek, Demosthenes (Sanders) French Literature (Schinz) History, French Revolution (Cleveland) Economics and Politics, History of Economic Thought, Div. A (Parris) Div. B (Hudson) Physics (Barnes) Biology (Warren)
	Descriptive Astronomy (Conner)	
Chemistry (Kohler	Chemistry Journal Club (Kohler and Getman)	Chemistry (Kohler)

SCHEDULE OF LECTURES,

HOUR	COURSE	MONDAY	TUESDAY
2	LABORATORY WORK	Physics, Minor (W. B. Huff) Chemistry, Minor (Kohler) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Major (Ferree) Physics, Minor (W. B. Huff) Chemistry, Minor (Kohler) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	History of Christian Doctrine (Barton)	History of Christian Doctrine (Barton)
	POST-MAJOR	Greek, Æschylus (Sanders) Middle High German (Lasch) French, Women Writers of the Renaissance (Cons) Economics and Politics, Modern Democracy (Hudson) Metaphysics (G. de Laguna) Mathematics (Scott) Experimental Morphology	Greek, Æschylus (Sanders) Spanish (DeHaan) French, Women Writers of the Renaissance (Cons) Economics and Politics, Modern Democracy (Hudson) Metaphysics (G. de Laguna) Mathematics (Scott)
	GRADUATE	Greek Seminary, Menander (Wright), 2–4 Modern Literary Criticism (Upham)	Seminary in English Literature (Donnelly), 2–4 English Historical Grammar (C. F Brown) Old French Readings (Holbrook)
3	LABORATORY WORK	Physics, Minor (W. B. Huff) Chemistry, Minor (Kohler) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Major (Ferree) Physics, Minor (W. B. Huff) Chemistry, Minor (Kohler) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Prose (A. S. King)	Elocution, Reading of Prose (A. S King)
	POST-MAJOR	Latin, Vergil (Frank) History, American Constitutional (Smith),	Latin, Vergil (Frank) History, American Constitutional (Smith Advanced Experimental Psychology (Ferree) Mathematics (Conner)
	GRADUATE	Middle English, Seminary (C. F. Brown), 3–4.30 Introduction to Teutonic Philology (Lasch) Old Spanish, Reading (DeHaan) Ethiopic (Barton) Mathematical Journal Club (Scott and Conner) Alternate Weeks Psychology Journal Club (Leuba and Ferree)	Greek Seminary (Sanders), 3–4.30 Beowulf (C. F. Brown) Seminary in French Literature (Schinz) 3.30–5. Old Norse (Lasch) Elementary Semitic Languages (Barton)
4	GRADUATE	Seminary in Roman Literature (Frank), 4–6 Seminary in Elizabethan Literature (Hatcher), 4.30–6 Seminary in Teutonic Philology (Lasch) Old French Seminary (Holbrook), 4–6 Hebrew (Barton) History Journal Club (Haring, Smith, and Cleveland), 4–6. Alternate Weeks Economics Journal Club (Parris, Hudson, and —), 4–6. Alternate Weeks Psychology Seminary (Leuba), 4–6	Latin Journal Club (Wheeler and Frank) 4.30–6. Alternate Weeks Seminary in English Literature (Upham) 4.30–6 German Journal Club (Jessen and Lasch) 4.30–6. Alternate Weeks. Old French Philology, 1st yr. (Holbrook) 4.30–6 Seminary in European History (Haring) 4.30–6 Seminary in Politics (Hudson), 4–6 Ethical Seminary (T. de Laguna), 4.30–
5	GRADUATE		

FIRST SEMESTER, 1912–13 (continued).

WEDNESDAY	THURSDAY	FRIDAY
Psychology, Major (Ferree)	Psychology, Major (Ferree) Physics, Major (Barnes) Chemistry, Major (Getman) Geology, Major (T. C. Brown) Biology, Major (Warren)	Physics, Major (Barnes) Chemistry, Major (Getman) Geology, Major (T. C. Brown) Biology, Major (Warren)
Greek, Aristophanes (Sanders) Latin, Advanced Composition (Frank) German, Reading (Jessen) Spanish (DeHaan) Economics and Politics, Modern Democracy (Hudson)	Greek, Menander (Wright) Latin, Roman Empire (Ferguson) German Literature (Jessen) French, Lyric Poetry (Schinz) Economics and Politics, Literature of Socialism (——)	Greek, Menander (Wright) Latin, Roman Empire (Ferguson) German Literature (Jessen) French, Lyric Poetry (Schinz) Economics and Politics, Literature of Socialism (——)
Modern Literary Criticism (Upham) Old Provençal (Holbrook) Archæological Seminary, 2–4	Seminary in Comparative Literature (Hatcher) 2–4 English Historical Grammar (C. F. Brown) Old French Readings (Holbrook)	Old Provençal (Holbrook)
Psychology, Major (Ferree)	Psychology, Major (Ferree) Physics, Major (Barnes) Chemistry, Major (Getman) Geology, Major (T. C. Brown) Biology, Major (Warren)	Physics, Major (Barnes) Chemistry, Major (Getman) Geology, Major (T. C. Brown) Biology, Major (Warren)
Verse Composition (G. G. King) Eugenics	Argumentation (Shearer) Descriptive Writing (Donnelly)	
Latin, Vergil (Frank) History, American Constitutional (Smith)	Education (Leuba) History, England since 1714 (Cleveland) Roman Elegy (Wheeler)	Education (Leuba) History, England since 1714 (Cleveland) Roman Elegy (Wheeler)
Mathematics (Conner)		
Middle English Seminary (C. F. Brown), 3–4.30 German, Literary Criticism (Jessen) Gothic (Lasch) New Testament Greek Seminary (Barton) Petrology (Fieldwork) (Bascom)	Greek Seminary (Sanders), 3–4.30 Beowulf (C. F. Brown) Seminary in French Literature (Schinz), 3.30–5 Essays in Spanish (De Haan) Elementary Semitic Languages (Barton) Philosophy Journal Club (T. de Laguna and G. de Laguna), 3–4.30	English Journal Club (C.F. Brown, Donnelly, Upham, Hatcher), 3–4.30. Alternate Weeks Gothic (Lasch) Romance Languages Journal Club (De Haan, Schinz, Holbrook, Cons), 3–4.30. Alternate Weeks Archæological Journal Club, 3–4.30. Alternate Weeks.
Latin Seminary (Wheeler), 4.30–6 Seminary in Elizabethan Literature (Hatcher), 4.30–6 Old High German (Lasch) Seminary in French (Cons), 4–6 Advanced Italian (Holbrook), 4–6 Seminary in American History (Smith), 4–6 Mathematics (Conner), 4–6 Advanced Experimental Morphology	Seminary in English Literature (Upham), 4.30–6 Seminary in German Literature (Jessen), 4–6 Old French Philology, 1st yr. (Holbrook), 4.30–6 Semitic Seminary (Barton) Seminary in European History (Haring), 4.30–6 Seminary in Economics (——), 4–6 Ethical Seminary (T. de Laguna), 4.30–6 Mathematics (Scott), 4–6 Physiology (Warren)	Latin Seminary (Wheeler), 4.30–6 Old High German (Lasch) Hebrew (Barton) Seminary in Economics (Parris) 4–6
Spanish Literature (DeHaan)	Educational Psychology (Leuba)	Spanish Philology (DeHaan) Educational Psychology (Leuba)

SCHEDULE OF COLLEGIATE EXAMINATIONS,

WEDNESDAY, JANUARY 22ND.

ELECTIVE.	Hour.
Argumentation	9-11
Descriptive Writing	9-11
Education	9-11
POST-MAJOR.	
Greek, Menander	2- 4
Latin, Roman Empire	2- 4
Latin, Roman Elegy	9-11
German, Literature and Reading	2- 4
French, Lyric Poetry	2- 4
History, England since 1714	9-11
Economics, Literature of Socialism	2- 4

MONDAY, JANUARY 27TH.

GENERAL.	Hour.
Second Year English, Composition	9-11
MINOR.	
German, Literature	9-11
Comparative Literature, Culture of the Renaissance	9-11
History of the Reformation	9-11
History of England since 1066	9-11
MAJOR.	
Psychology	9-11
ELECTIVE.	
Pragmatism	9-10.15
Mathematics Preparatory to Science	9-11
POST-MAJOR.	
Greek, Aristophanes	2- 3.15
Latin, Prose Composition	2- 3.15

TUESDAY, JANUARY 28TH.

MINOR.	Hour.
Latin, Cicero	9-11
Latin Composition	11-12.15
English, Nineteenth Century Critics	9-11
Italian	9-12
History of Art, Italian Painting	9-11
Geology	9-12
MAJOR.	
Greek, Demosthenes	9-11
French, Literature	9-11
History of the French Revolution	9-11
History of Economic Thought	9-11
Physics	9-12
Biology	9-12
ELECTIVE.	
Eugenics	2- 3.15

WEDNESDAY, JANUARY 29TH.

ELECTIVE.	Hour.
History of Christian Doctrine	9-11
POST-MAJOR.	
Greek, Æschylus	9-11
Latin, Vergil	2- 4
Middle High German	9-10.1
French, Women Writers	9-11
Spanish	9-11
History, American Constitution	2- 4
Politics, Modern Democracy	9-11
Metaphysics	9-11
Mathematics, Modern Geometry	9-11
Experimental Psychology	2- 4
Experimental Morphology	9-10.1

SCHEDULE OF MATRICULATION EXAMINATIONS,

TUESDAY, JANUARY 28TH.

	Hour.
English Composition	9.30-12.30
English Grammar, etc	2.30- 4.30
Greek Poets	4.45- 5.45

WEDNESDAY, JANUARY 29TH.

	Hour.
Algebra	9.30-12
Latin Poets	2.30- 4
Greek Composition	4.15- 5.1

MONDAY, FEBRUARY 3RD.

	Hour.
Minor Latin, Section A	9.30-12.30
Trigonometry	2.30- 4.30

TUESDAY, FEBRUARY 4TH.

	Hour.
Minor Latin, Section B	9.30-12.30
Solid Geometry	2.30- 4.30

This schedule of examinations is printed in advance in order that students may elect their courses and plan their examinations by it; on this account it will be impossible to change the time of any examination, except in case of a change in the lecture schedule.

FIRST SEMESTER, 1912–13.

THURSDAY, JANUARY 23RD.	
General.	Hour.
Second Year English, Literature	9–11
Minor.	
German, Grammar and Reading	9–11
Spanish	9–12
Comparative Literature, Renaissance Lyrics	9–11
History since 1799	9–11
Biology	9–12
Major.	
Philosophy, Empiricism	9–11
Geology	9–12
Elective.	
Fundamental Theorems of Mathematics	9–10.15
Post-major.	
Physics	9–11
Chemistry	9–11

FRIDAY, JANUARY 24TH.	
General.	Hour.
Psychology	9–11
Minor.	
Greek, Homer	9–11
French, Reading and Composition	9–11
Vase Painting	9–10.15
Mathematics, Trigonometry	9–11
Major.	
German, Faust	9–11
History, British Imperialism	9–11
History, Julius Cæsar	9–10.15
Ancient History, Roman Life	10.30–11.45
Elective.	
Physical Basis of Music	9–10.15
Geology, Cosmogony	10.30–11.15

SATURDAY, JANUARY 25TH.	
General.	Hour.
First Year English, Literature	9–11
Minor.	
Middle English Romances	9–11
Ancient History, Oriental	9–11
Economics, Introduction to	9–11
Philosophy, Problems in	9–11
Physics	9–12
Major.	
Latin, Tacitus	9–11
English, Classical and Romantic Prose	9–11
Spanish	9–12
Mathematics, Differential and Integral Calculus	9–11
Chemistry	9–12
Post-Major.	
Petrography	9–11
Verse Composition	2– 4

THURSDAY, JANUARY 30TH.	
General.	Hour.
First Year English, Composition	9–11
Minor.	
English Poetry	9–11
Ancient History, Classical	9–11
Politics, Problems in	9–11
Psychology	9–11
Major.	
Latin, Literature	9–11
Mathematics, Theory of Equations	9–11
Elective.	
Methods of Social Research	9–11
Post-Major.	
Biology	9–11
Mathematics, Differential Equations	2– 4

FRIDAY, JANUARY 31ST.	
Elementary.	Hour.
Greek	9–12
German	9–12
French	9–12
General.	
Philosophy	9–11
Minor.	
Greek, Plato and Composition	9–12.15
French, Literature and Reading	9–11
Greek and Roman Architecture	9–11
Mathematics, Analytical Conics	9–11
Chemistry	9–12
Major.	
German, Literature	9–11
German, Reading and Composition	11–12.15
Comparative Literature, Drama	9–11
Modern History, The Renaissance	9–11
Ancient History, Age of Pericles	9–11
Elective.	
Geology, Evolution of Vertebrates	9–11
Biology, Theoretical	11–12.15

SATURDAY, FEBRUARY 1ST.	
Minor.	Hour.
Latin, Horace	9–11
English, Anglo-Saxon	9–11
History of Art, Renaissance Sculpture	9–11
Major.	
Greek, Literature	9–11
French, Reading and Composition	9–11
Politics, Social Politics	9–11
History, United States from 1865	9–11
Elective.	
Descriptive Astronomy	9–11

JANUARY–FEBRUARY, 1913.

THURSDAY, JANUARY 30TH.	Hour.
French	9.30–12.30
History	2.30– 4
Greek Prose Authors	4.15–5.15

FRIDAY, JANUARY 31ST.	Hour.
Geometry	9.30–12
Latin Composition	2.30– 4
Science	4.15– 5.45

SATURDAY, FEBRUARY 1ST.	Hour.
German	9.30–12.30
Latin Prose Authors	2.30– 4.30

SCHEDULE OF COLLEGIATE EXAMINATIONS,

WEDNESDAY, MAY 21st.

Minor.	Hour.
Latin, Horace	9-11
English, Anglo-Saxon	9-11
History of Art, Renaissance Sculpture	9-11
Major.	
Greek, Literature	9-11
French, Reading and Composition	9-11
Politics, Social Politics	9-11
History, United States from 1865	9-11
Elective.	
Descriptive Astronomy	9-11

MONDAY, MAY 26th.

General.	Hour.
First Year, English Literature	9-11
Minor.	
Middle English Romances	9-11
Ancient History, Oriental	9-11
Economics, Introduction to	9-11
Philosophy, Ethics	9-11
Physics	9-12
Major.	
Latin, Comedy	9-11
English, Classical and Romantic Prose	9-11
Spanish	9-12
Mathematics, Curve Tracing and History	9-11
Chemistry	9-12
Post-Major.	
Petrography	9-11
Verse Composition	2- 4

TUESDAY, MAY 27th.

General.	Hour.
Second Year, English Composition	9-11
Minor.	
German, Literature	9-11
Comparative Literature, Culture of the Renaissance	9-11
History of the Reformation	9-11
History of England since 1066	9-11
Major.	
Psychology	9-11
Elective.	
Pragmatism	9-10.15
Mathematics, Preparatory to Science	9-11
Post-Major.	
Greek, Sophocles	2- 3.15
Latin, Prose Composition	2- 3.15

WEDNESDAY, MAY 28th.

Elective.	Hour.
History of Christian Doctrine	9-11
English, Reading of Prose	9-11
Post-Major.	
Greek, Pindar	9-11
Latin, Roman Prose	2- 4
Middle High German	9-10.1
French, Women Writers	9-11
Spanish	9-11
History, American Constitutional	2- 4
Politics, Modern Democracy	9-11
Metaphysics	9-11
Mathematics, Modern Geometry	9-11
Experimental Psychology	2- 4
Experimental Morphology	9-10.1

SCHEDULE OF MATRICULATION

MONDAY, JUNE 2nd.

	Hour.
French	9.30-12.30
History	2.30- 4
Greek, Prose Authors	4.15- 5.15

TUESDAY, JUNE 3rd.

	Hour.
Geometry	9.30-12
Latin Composition	2.30- 4
Science	4.15- 5.45

WEDNESDAY, JUNE 4th.

	Hour.
German	9.30-12.3
Latin Prose Authors	2.30- 4.3

SECOND SEMESTER, 1912–13.

THURSDAY, MAY 22ND.

Elective.	Hour.
Argumentation	9–11
Narrative Writing	9–11
Education	9–11
Post-Major.	
Greek, Herondas and Sophocles	2–4
Latin, Roman Empire	2–4
Latin, Roman Elegy	9–11
German, Literature and Reading	2–4
French, Lyric Poetry	2–4
History, England since 1714	9–11
Economics, Literature of Socialism	2–4

FRIDAY, MAY 23RD.

General.	Hour.
Second Year, English Literature	9–11
Minor.	
German, Grammar and Reading	9–11
Spanish	9–12
Comparative Literature, Modern Pastoral	9–11
History since 1799	9–11
Biology, Embryology	9–10
Major.	
Philosophy, Empiricism	9–11
Geology	9–12
Elective.	
Fundamental Theorems of Mathematics	9–10.15
Post-Major.	
Physics	9–11
Chemistry	9–11

SATURDAY, MAY 24TH.

General.	Hour.
Psychology	9–11
Minor.	
Greek, Homer	9–11
French, Reading and Composition	9–11
Vase Painting	9–10.15
Mathematics, Theory of Equations	9–11
Chemistry, Organic	9–11
Major.	
German, Faust	9–11
History, British Imperialism	9–11
Ancient History, Julius Cæsar	9–10.15
Ancient History, Roman Life	10.30–11.45
Elective.	
Physical Basis of Music	9–10.15
Geology, Cosmogony	10.30–11.45

THURSDAY, MAY 29TH.

Minor.	Hour.
Latin, Terence	9–11
Latin, Composition	11–12.15
English, Nineteenth Century Critics	9–11
Italian	9–12
History of Art, Italian Painting	9–11
Geology	9–12
Major.	
Greek, Thucydides	9–11
French, Literature	9–11
History of the French Revolution	9–11
History of Economic Thought	9–11
Physics	9–12
Biology, Vertebrates	9–11
Elective.	
Euthenics	2–3.15

FRIDAY, MAY 30TH.

General.	Hour.
First Year, English Composition	9–11
Minor.	
English, Poetry	9–11
Ancient History, Classical	9–11
Politics, Problems in	9–11
Psychology	9–11
Major.	
Latin, Literature	9–11
Mathematics, Analytical Geometry	9–11
Elective.	
Methods of Social Research	9–11
Post-Major.	
Biology	9–11
Mathematics, Differential Equations	2–4

SATURDAY, MAY 31ST.

Elementary.	Hour.
Greek	9–10.30
German	9–10.30
French	9–10.30
General.	
Philosophy	9–11
Minor.	
Greek, Euripides and Composition	9–12.15
French, Literature and Reading	9–11
Greek and Roman Architecture	9–11
Mathematics, Differential and Integral Calculus	9–11
Chemistry, Qualitative Analysis	9–11
Major.	
German, Literature	9–11
German, Reading and Composition	11–12.15
Comparative Literature, Drama	9–11
Modern History, Renaissance	9–11
Ancient History, Age of Pericles	9–11
Elective.	
Geology, Evolution of Mammals	9–11
Biology, Theoretical	11–12.15

EXAMINATIONS, SPRING, 1913.

THURSDAY, MAY 29TH.

	Hour.
Minor Latin, Section A	9.30–12.30
Trigonometry	9.30–11.30
Minor Latin, Section B	2.30–5.30
Solid Geometry	2.30–4.30

FRIDAY, MAY 30TH.

	Hour.
English Composition	9.30–12.30
English Grammar, etc	2.30–4.30
Greek Poets	4.45–5.45

SATURDAY, MAY 31ST.

	Hour.
Algebra	9.30–12
Latin Poets	2.30–4
Greek Composition	4.15–5.15

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